

Panasonic

Digital Cordless Answering System

Operating Instructions

Model No. **KX-TCD540NZ**

Preparation

Telephone System

Answering System

Useful Information



Caller ID Compatible

Please read these Operating Instructions before using the unit and save for future reference.

Charge the batteries for about 7 hours before initial use.

Before Initial Use

◆◆ Features



Digital Answering System

Up to 30 minutes recording time or up to 64 messages, with time/day stamp that records when messages were received and counts the total number.



Polyphonic Ringer Tones for Cordless Handset

A variety of high-quality sounds can be reproduced for your ringer tones.

You can choose from 9 preset melodies and 6 ringer tones.



Hands-Free Speakerphone

You can talk without holding cordless handset.

Convenient for talking while doing something else.

This feature is also available for the base unit.



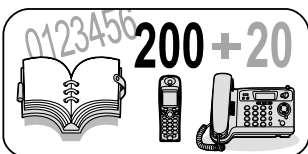
Headset Jack

Plug in the optional headset for hands-free ease and freedom of use.



Illuminated Keypad

Lights up when there is an incoming call or anytime you touch a key for easy operation even in the dark.



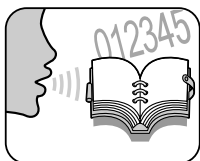
200+20-Station Phonebook

Store up to 200 (for Handset Phonebook) plus 20 (for Base Unit Phonebook) names and numbers in the built-in telephone directory for easy access.



Multiple Cordless Handsets

Up to 6 cordless handsets can be registered with a single base unit for added convenience. (Optional cordless handset/charger is available separately.)



Voice Search

You can record up to 20 voice tags for the handset phonebook items, then you can search for an item in the handset phonebook with your voice.

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For your information

Throughout these Operating Instructions,  and  are used to indicate with which unit an operation can be performed.

: Perform with the cordless handset.

: Perform with the base unit.

 : Perform with the cordless handset or base unit separately.

 & : Perform with the cordless handset and base unit together.

Before Initial Use

Thank you for purchasing your new Panasonic digital cordless telephone.

Dear purchaser,

You have acquired a KX-TCD540NZ, which is a product made in accordance with the Digital Enhanced Cordless Telecommunications (DECT). DECT technology is characterized by high-security protection against interceptions as well as high-quality digital transmission. This telephone was designed for a wide range of applications.

For example, this telephone can be used within a network of base units and cordless handsets, constituting a telephone system which:

- operates up to 6 cordless handsets at one base unit.
- allows an intercom between 2 registered units.
- allows the operation of a cordless handset at up to 4 base units, expanding the communication radio area.

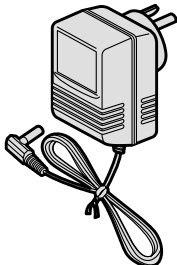
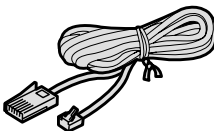
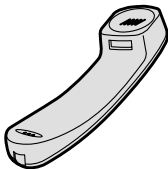
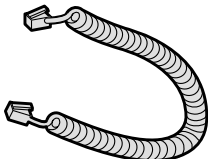
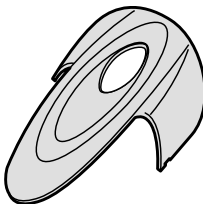
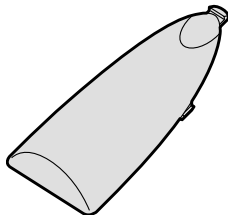
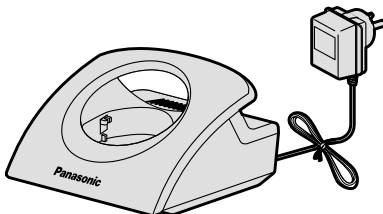
Caller ID Service, where available, is a telephone company service. After subscribing to Caller ID, this phone will display the caller's phone number.

General Warning:

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

Before Initial Use

Accessories (specific to product type)

☐ AC Adaptor (for Base Unit) PQLV19AL  one	☐ Telephone Line Cord  one	☐ Handset  one
☐ Handset Cord  one	☐ Belt Clip  one	☐ Battery Cover  one
☐ Rechargeable Batteries (AAA size) HHR-4EPT/BA2  two	☐ Charger Unit AC Adaptor (for Charger) PQLV200AL Charger  one	
☐ Operating Instructions...one ☐ Quick Guide..... one		

Additional accessories are available for purchase. Contact your Panasonic Service Centre for further details.

Important Information

Use only the power supply included with the product.

Do not connect the AC adaptor to any AC outlet other than the standard AC220-240 V.

(For Base Unit)

The apparatus is approved for use with PQLV19AL power supply.

(For Charger)

The apparatus is approved for use with PQLV200AL power supply.

This apparatus is unable to make calls under the following conditions:

- The portable cordless handset batteries need recharging, or have failed.
- During a mains power failure.
- When the Key Lock is set to ON.
- When the unit is in Call Bar mode (only the emergency numbers can be made).

Do not open the base unit, cordless handset or charger (other than to change the batteries).

This apparatus should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.

Care should be taken that objects do not fall onto, and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.

Environment

Do not use this unit near water.

This unit should be kept away from heat sources such as radiators, cookers, etc. It should also not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C.

The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is located/installed near the unit and is accessible.

WARNING:

TO PREVENT THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY OTHER TYPE OF MOISTURE.

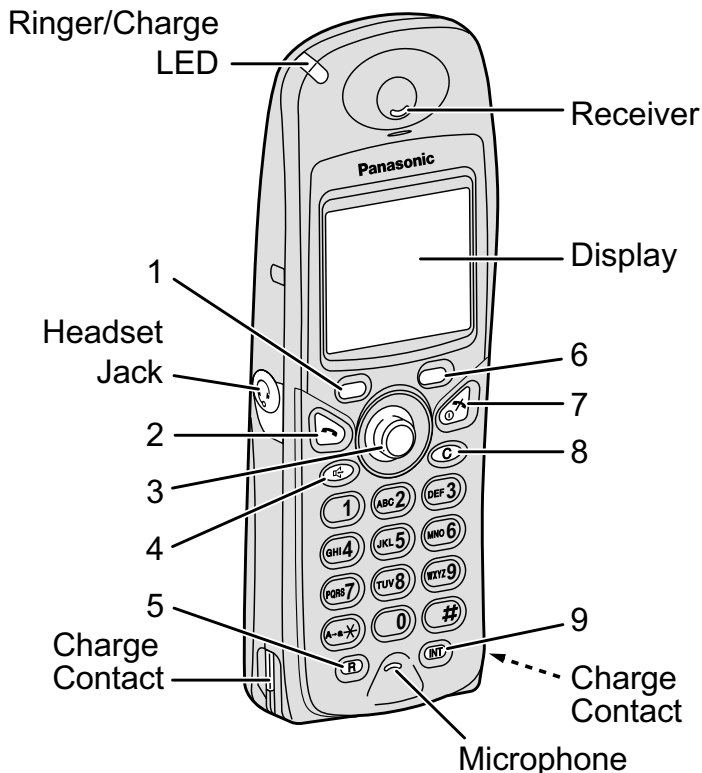
Battery Caution

1. Use only the specified batteries.
2. **Use only rechargeable batteries.**
3. Do not mix old and new batteries.
4. Do not dispose of batteries in a fire, as they may explode.
Check local waste management codes for special disposal instructions.
5. Do not open or mutilate the batteries.
Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin.
The electrolyte may be toxic if swallowed.
6. Exercise care in handling the batteries in order not to short circuit the batteries with conductive materials such as rings, bracelets and keys.
The batteries and/or conductor may overheat and cause burns.
7. Charge the batteries in accordance with the information provided in this operating guide.

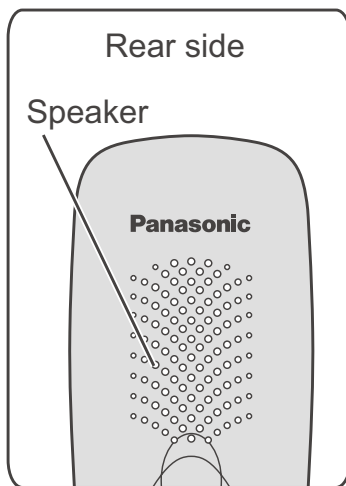
Location

- For maximum distance and noise-free operation, place your base unit:
 - Away from electrical appliances such as TVs, radios, personal computers or other phones.
 - In a convenient, high, and central location.

◆◆ Cordless Handset



- 1 - LEFT SOFT KEY
- 2 - TALK Button
- 3 - JOYSTICK
- 4 - SPEAKERPHONE Button
- 5 - RECALL Button
- 6 - RIGHT SOFT KEY
- 7 - POWER/TALK OFF Button
- 8 - CLEAR Button
- 9 - INTERCOM/HOLD Button

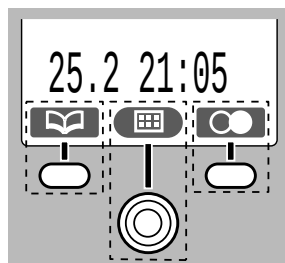


How to Use the Cordless Handset Soft Keys

The 3 soft keys are used to select functions displayed directly above the keys. Functions displayed above the keys will change depending on the state of use.

For example, on the standby mode display, “”, “” and “” are displayed above the soft keys.

Example: Standby Mode Display



To operate “” (Phonebook), press **LEFT SOFT KEY**.

To operate “” (Menu), press the centre of the **JOYSTICK**, used as the middle soft key.

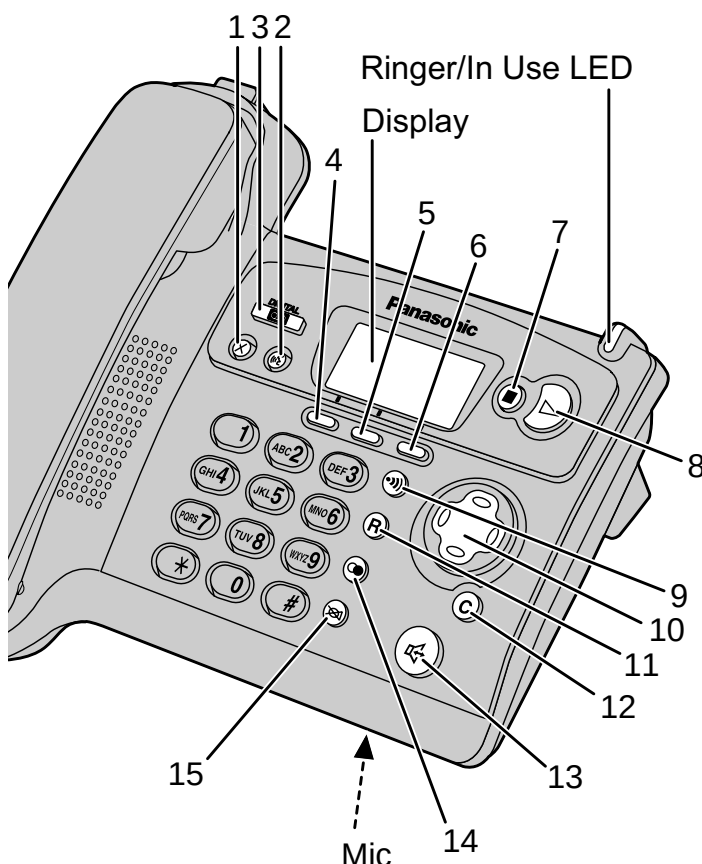
To operate “” (Redial), press **RIGHT SOFT KEY**.

When “” is displayed above a soft key, the soft key has no function.

- “” (Menu) can be selected when in the standby mode by moving the **JOYSTICK** up, down, left or right.

Location of Controls

◆◆ Base Unit

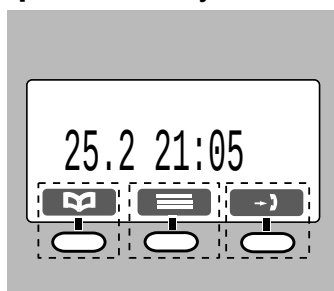


- 1 - **ERASE** Button
- 2 - **GREETING** Button
- 3 - **ANSWER ON** Button and Indicator
- 4 - **LEFT SOFT KEY**
- 5 - **MIDDLE SOFT KEY**
- 6 - **RIGHT SOFT KEY**
- 7 - **STOP** Button
- 8 - **PLAYBACK** Button
- 9 - **PAGE/INTERCOM/HOLD** Button
- 10 - **NAVIGATOR KEY**
- 11 - **RECALL** Button
- 12 - **CLEAR** Button
- 13 - **SPEAKERPHONE** Button
- 14 - **REDIAL** Button
- 15 - **MUTE** Button

How to Use the Base Unit Soft Keys

The 3 soft keys are used to select functions displayed directly above the keys. Functions displayed above the keys will change depending on the state of use. For example, on the standby mode display, “”, “” and “” are displayed above the soft keys.

Example: Standby Mode Display



To operate “” (**Phonebook**), press **LEFT SOFT KEY**.

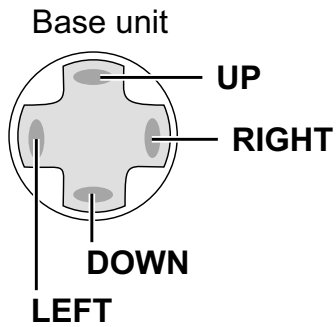
To operate “” (**Menu**), press **MIDDLE SOFT KEY**.

To operate “” (**Caller ID List**), press **RIGHT SOFT KEY**.

When “” is displayed above a soft key, the soft key has no function.

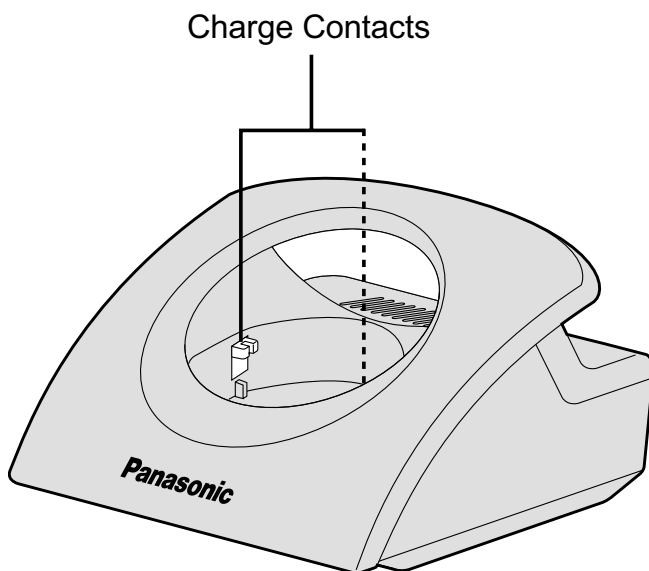
How to Use the Navigator Key

This key has four active areas.



UP	• Scrolls up through the function menu, Caller List and the Base Unit Phonebook. • Increases the volume.
DOWN	• Scrolls down through the function menu, Caller List and the Base Unit Phonebook. • Decreases the volume.
RIGHT	• Selects your menu choices.
LEFT	• Returns to the previous display.

◆◆ Charger



Icons above the SOFT KEYS

◆◆ Icons above the Cordless Handset Soft Keys

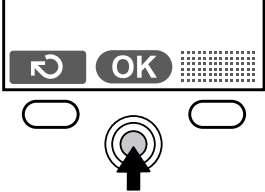
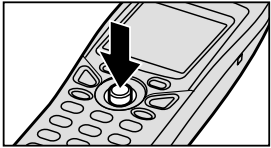
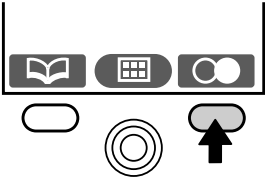
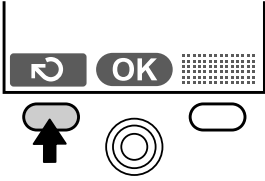
Icons	Functions	Icons	Functions
	Go Back		No Function
	Menu		Alphabet
	Sub-Menu		Numeric
	OK		Greek
	Redial		Extended 1
	Phonebook		Extended 2
	New Phonebook		Russian
	Search		Select
	Key Lock		Pause
	12/24 Hour Clock		Mute
	Stop		Delete

◆◆ Icons above the Base Unit Soft Keys

Icons	Functions	Icons	Functions
	Go Back		Pause
	Menu		Intercom/Paging
	OK		Caller ID List
	Phonebook		Repeat Message
	No Function		Skip Message
	Delete		

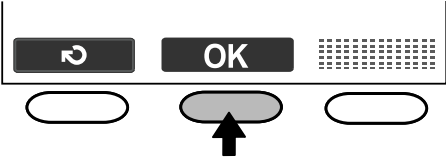
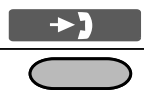
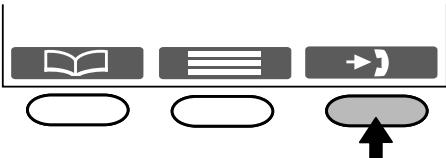
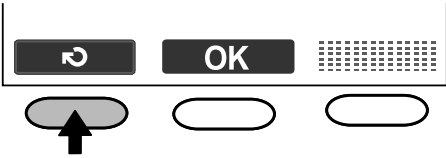
Symbols Used for Operations

◆◆ Symbols Used for Cordless Handset Operations

Symbol	Meaning	
	Move the JOYSTICK up, down, left or right. e.g., Search for the main menu.	
e.g., OK 	e.g., Display of menu items 	Press JOYSTICK directly in the centre. In this example, the desired item is selected. 
e.g., Redial 	e.g., Standby Mode Display 	Press RIGHT SOFT KEY . In this example, the telephone number last dialled is displayed.
e.g., Go Back 	e.g., Display of menu items 	Press LEFT SOFT KEY . In this example, the display returns to the previous menu.  has the same function as Go Back.
	Press POWER/TALK OFF Button. <u>Press this button once or twice, depending on the state of use to return the display to the standby mode.</u>	

Symbols Used for Operations

◆◆ Symbols Used for Base Unit Operations

Symbol	Meaning	
	Press NAVIGATOR KEY up or down. e.g., Search for the desired item.	
e.g., OK 	e.g., Display of menu items 	Press MIDDLE SOFT KEY . In this example, the desired item is selected.
e.g., Caller ID List 	e.g., Standby Mode Display 	Press RIGHT SOFT KEY . In this example, the newest caller information is displayed.
e.g., Go Back 	e.g., Display of menu items 	Press LEFT SOFT KEY . In this example, the display returns to the previous menu.

◆◆ Symbols Used for Cordless Handset/Base Unit Operations

Symbol	Meaning
	Go to the next step.
“ ”	The words in “ ” indicate the text shown on the display.
 	The phone is ringing.

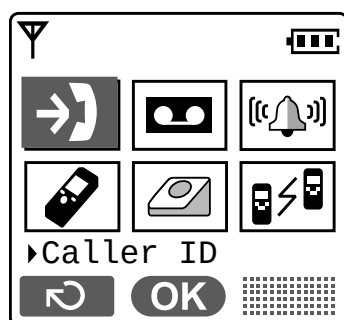
◆◆ Handset Display Icons

			Within range of a base unit
			Out of range/No registration/ No power on base unit
			Intercom/Paging/ While connecting with base unit
			Making or Answering calls
			Call Bar ON
			New call (Caller ID only)
			Cordless Handset Name (e.g., Cordless Handset 1)
			Call Minder indication
			The line is being used by another unit.
			Voice Tag indication

◆ Main Menu Display

To go to the **Main Menu**, press **JOYSTICK**  directly in the centre (or move ) while in the standby mode display. The selected menu icon is turned over, and its title is displayed.

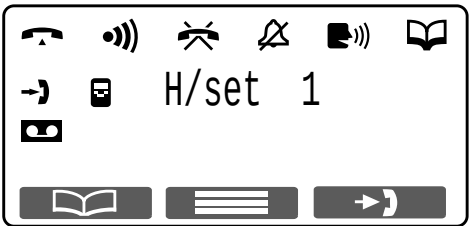
Example: “Caller ID” is selected.



	“Caller ID”
	“TAM Operation”
	“Ringer Option”
	“Setting Handset”
	“Setting Base”
	“Walkie-Talkie”

Display

◆◆ Base Unit Display Icons



Intercom/Paging



Making or Answering calls



Call Bar ON



Phonebook Mode



Ringer Volume OFF



New call (Caller ID only)

---IN USE---

The line is being used by another unit.



Intercom Mode

H/set 1

Cordless Handset Name
(e.g., Cordless Handset 1)



Message indication



Call Minder indication

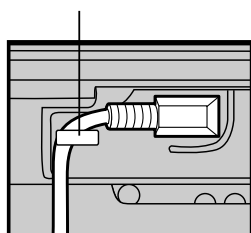
◆◆ Connection

(For Base Unit)

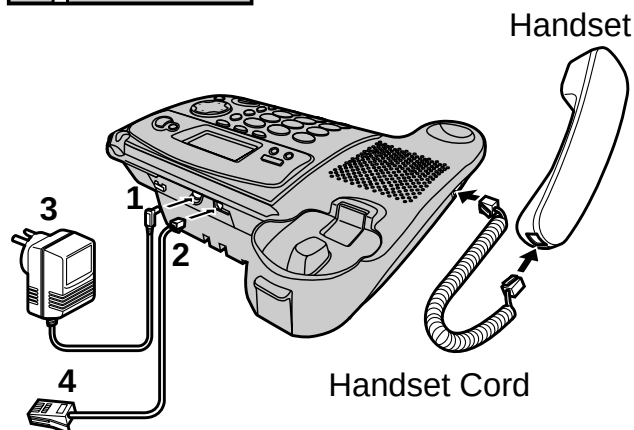
Plug in the AC adaptor and the telephone line cord in order **1, 2, 3, 4**.

The cords can be hidden from view when using the base unit on a desktop by tucking them under the wall mounting adaptor (p. 103, 104).

Hook



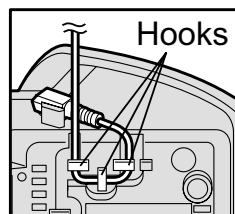
Fasten the AC adaptor cord to prevent it from being disconnected.



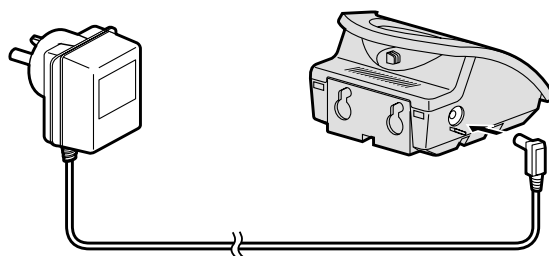
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- Never install telephone wiring during a lightning storm.
- USE ONLY WITH Panasonic AC ADAPTOR PQLV19AL.

(For Charger Unit)

The batteries must be fully charged before initial use of the cordless handset.



Fasten the AC adaptor cord to prevent it from being disconnected.

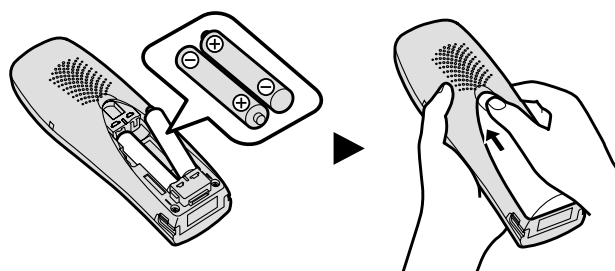


- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- USE ONLY WITH Panasonic AC ADAPTOR PQLV200AL.

◆◆ Battery Installation

Please ensure the batteries are inserted as shown. ⊖ part should be inserted first. Close the cover as indicated by the arrow.

- When you replace the batteries, ⊕ part should be removed first.



Setting up

◆◆ Battery Charge

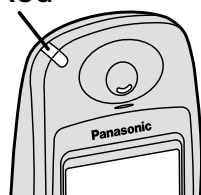
At the time of shipment, the batteries are not charged. To charge, place the cordless handset on the charger. **Please charge the batteries for about 7 hours before initial use.**



During charging, the charge LED will light as shown below.

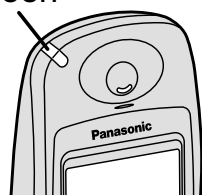
During charging

Red



Fully charged

Green



Display icon	Battery strength
	High
	Medium
	Low
	Needs to be charged

The cordless handset which power is off will be turned on automatically when it is placed on the charger.

The cordless handset will not operate while it is on the charger.

If the handset display flashes when the cordless handset is lifted off the charger, please charge the cordless handset batteries at least 15 minutes.

◆◆ Battery Information

After your Panasonic batteries are fully charged:

Ni-MH Batteries (typical 700 mAh)

Operation	Operating Time
While in use (TALK)	10 hrs approx.
While not in use (Standby)	180 hrs approx.

Ni-Cd Batteries (typical 250 mAh)

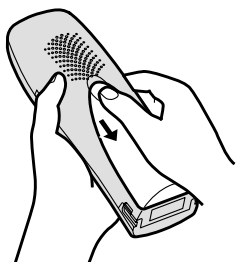
Operation	Operating Time
While in use (TALK)	4 hrs approx.
While not in use (Standby)	60 hrs approx.

- Times indicated are for peak performance.
- The battery operating time may be shortened depending on usage conditions and ambient temperature.
- **Clean the charge contacts of the cordless handset and the charger with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- The batteries cannot be overcharged unless they are repeatedly removed and replaced.
- For maximum battery life, it is recommended that the cordless handset not be recharged until the battery icon flashes .

◆◆ Replacing the Batteries

If the  icon flashes after a few telephone calls even when the cordless handset batteries have been fully charged, both batteries must be replaced.

- **Charge new batteries for approximately 7 hours before initial use.**
- **When replacing the batteries, be sure to set up the battery type even if you install the same type of batteries to initialise battery remaining memory of your cordless handset. (See Setting the Battery Type on page 63.)**
- **Do not use non-rechargeable batteries. If non-rechargeable batteries are installed and start charging, battery electrolyte may leak from the unit.**
- Open the battery cover by pressing down firmly on the notch and sliding it as indicated by the arrow below.



Replace both batteries (p. 15) and close the cover. Charge the cordless handset for about 7 hours.

Please order Panasonic HHR-4EPT (Ni-MH) or P-4NPT (Ni-Cd) batteries.

Setting up

◆◆ Power ON/OFF

◆ Power ON

Press and hold **POWER**.



When **POWER** is released, the display changes to the standby mode.

◆ Power OFF

Press and hold **POWER**.



The display goes blank.

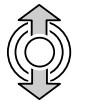
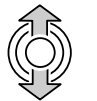
◆◆ Selecting the Display Language

You can select one of 19 languages on the cordless handset and the base unit separately. The factory preset is English.



◆ Selecting the Display Language on the Cordless Handset

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Handset".  →  → 	3 Select "Display Option".  →  → 
4 Select "Select Language".  →  → 	5 Select the desired language.  →  → 	

- If you set a language you cannot read, reset the display language to your desired language.

Press  → Press  → Move  → Press  → Move  four times → Press  → Move  twice → Press  → Select the desired language → Press .



◆ Selecting the Display Language on the Base Unit

To exit the operation, press at any time.

1 Press MIDDLE SOFT KEY.	2 Select "Select Language".	3 Select the desired language.
---	---	--

- If you set a language you cannot read, reset the display language to your desired language.

Press ➡ Press (DOWN) 3 times ➡ Press ➡
Select the desired language ➡ Press .

Setting up

◆◆ Setting the Date and Time

After a mains power failure, the clock needs to be set. Ensure that the  icon is not flashing. After the date and time are set, the base unit display also shows the date and time. This feature can be operated with the cordless handset only.

To exit the operation, press  at any time.

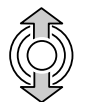
1 Press **JOYSTICK**
(or move).



2 Select " Setting
Handset".

 → 

3 Select "Set Date/
Time".

 → 

4 Enter the date
(see below).

5 Enter the time
(see below).

6 Press **JOYSTICK**.



Example: To set 16 February, 2003, 7:15 pm.

Date			Time		
Day	Month	Year	Hour	Minute	12/24 hour clock
 	→  	→  	→  	→  	→  

◆ Selecting 12/24 Hour Clock

Press **RIGHT SOFT KEY** repeatedly.



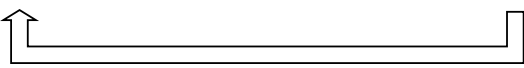
24 hour
clock

→

12 hour
clock (AM)

→

12 hour
clock (PM)



Using the Telephone

◆◆ Making a Call



◆ Pre-Dialling

- 1** Enter Phone Number.
- 2** Press **TALK.**



◆ Post-Dialling

- 1** Press **TALK.**
- 2** Enter Phone Number.



- If you need to make a correction while entering the phone number when using **Pre-Dialling**, press **(C)**. The digit is cleared to the left, then you can enter new digits. All digits are cleared if you press and hold **(C)**.
- You can also press **(📞)** to make a call.



◆ Pre-Dialling

- 1** Enter Phone Number.
- 2** Lift the handset.

◆ Post-Dialling

- 1** Lift the handset.
- 2** Enter Phone Number.

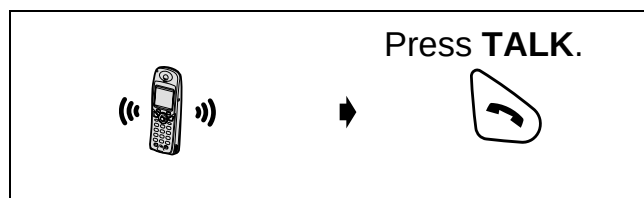
- If you need to make a correction while entering the phone number when using **Pre-Dialling**, press **(C)**. The digit is cleared to the left, then you can enter new digits. All digits are cleared if you press and hold **(C)**.
- You can also press **(📞)** to make a call.

Using the Telephone

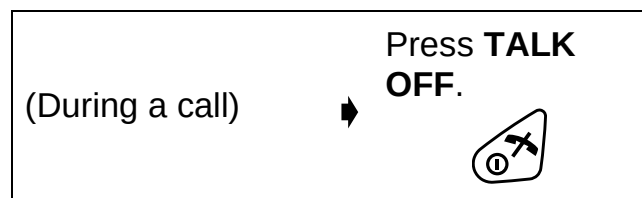
◆◆ Answering a Call



◆ Answering a Call



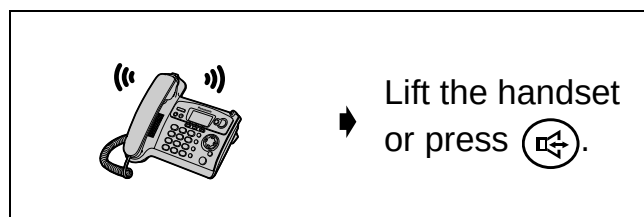
◆ Terminating a Call



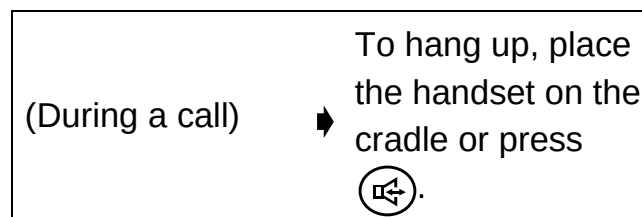
- You can also answer a call by pressing  to , , ,  or  (**Any Key Talk**).



◆ Answering a Call



◆ Terminating a Call



- You can also answer a call by pressing .

◆◆ Auto Talk

If you set **Auto Talk** to ON, you can answer a call by lifting the cordless handset off the charger. (See **Setting Auto Talk ON/OFF** on page 63.)

Using the Telephone

◆◆ Receiver (or Headset Receiver)/Speaker Volume



The choices for the receiver (or headset receiver) volume are 3 levels, and 6 levels for the speakerphone volume.

(During a call) ➡ To increase volume, move the **JOYSTICK** up.
To decrease volume, move the **JOYSTICK** down.



- The factory preset is medium (receiver volume) and level 3 (speaker volume).



The choices for the handset receiver volume are 3 levels, and 8 levels for the speakerphone volume.

(During a call) ➡ To increase volume, press **NAVIGATOR KEY** up.
To decrease volume, press **NAVIGATOR KEY** down.



- The factory preset is medium (receiver volume) and level 5 (speaker volume).

◆◆ Hands-Free Phone Conversation (Using Digital Speakerphone)



Speakerphone allows you to talk to your caller without holding the cordless handset and allows other persons in the room to listen to the conversation.

◆ Returning to Receiver

(During a call) ➡ Press **SPEAKERPHONE.**



Press **TALK.**



- For best performance, please note the following:
 - Talk alternately with the caller in a quiet environment.
 - If either party has difficulty hearing, move the **JOYSTICK** up or down for the cordless handset to change the volume accordingly. The choices for the speakerphone volume are 6 levels.

Using the Telephone



Speakerphone allows you to talk to your caller without holding the handset and allows other persons in the room to listen to the conversation.

Press **SPEAKERPHONE**.

(Receiving a call) ➔



- For best performance, please note the following:
 - Talk alternately with the caller in a quiet environment.
 - If either party has difficulty hearing, press **NAVIGATOR KEY** up or down to change the volume accordingly. The choices for the speakerphone volume are 8 levels for the base unit.

◆◆ Muting Your Conversation

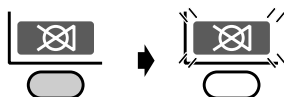
During a call, you can mute your phone so the other party cannot listen to you. When muting your conversation, you can hear the other party.



◆ Muting

(During a call) ➔

Press **LEFT SOFT KEY**, then icon flashes.



◆ Returning to the Conversation

Press **LEFT SOFT KEY** once again. Icon stops flashing.



◆ Muting

(During a call) ➔

Press **MUTE**.



◆ Returning to the Conversation

Press **MUTE** once again.



Using the Telephone

◆◆ Key Lock

You can lock the cordless handset dialling buttons. While locked, the buttons cannot be used and therefore calls cannot be made. Incoming calls can be answered while the key lock is ON. When the key lock is ON, the menu icon  changes to .

When the key lock is ON, emergency calls (p. 66) cannot be made until key lock is cancelled.

◆ Key Lock ON

(Standby Mode Display)



Press and hold **JOYSTICK** directly for more than 2 seconds.



◆ Key Lock OFF

Press and hold **JOYSTICK** directly for more than 2 seconds once again.



Using the Telephone

◆◆ Redialling

The last 10 numbers dialled on the cordless handset and the base unit are automatically stored in each redial list separately.



◆ Dialling with the Redial List

1 Press RIGHT SOFT KEY . 	2 Search for the desired dialled item. 	3 Press TALK . 
---	--	---

- If there are no items stored in the redial list when  is pressed, the handset display shows “Memory Empty”.
- When scrolling reaches the end of the list, an end tone will sound.
- You can also press  to make a call.
- To save the numbers from the redial list into the handset phonebook, or to edit or delete from memory, see pages 34 and 35.

◆ Dialling the Last Number Dialed

1 Press TALK . 	2 Press RIGHT SOFT KEY . 
---	---

Auto Redial

If you press  then  to redial a number and the dialled number is engaged, the unit will automatically redial the number every 40 seconds, up to 10 times. When using Auto Redial, press  after pressing  if the mute has not been cancelled.

Using the Telephone



◆ Dialling with the Redial List

1 Press **REDIAL**.



2 Search for the desired dialled item.



3 Lift the handset.

- If there are no items stored in the redial list when  is pressed, the base unit display shows “Memory Empty”.
- When scrolling reaches the end of the list, an end tone will sound.
- You can also press  to make a call.
- To edit or delete from memory, see page 72.

◆ Dialling the Last Number Dialed

1 Lift the handset.

2 Press **REDIAL**.



Auto Redial

If you press  then  to redial a number and the dialled number is engaged, the unit will automatically redial the number every 40 seconds, up to 10 times. When using Auto Redial, press  after pressing  if the mute has not been cancelled.

◆◆ Recall Feature

RECALL  (on the cordless handset) or  (on the base unit) is used to access special telephone services. Contact your telephone company for details. If your unit is connected to a PBX, pressing  (on the cordless handset) or  (on the base unit) allows you to access certain features of your host PBX, such as transferring an extension call.

Using the Telephone

◆◆ Dialling Pause (for PBX line/long distance service users)

A dialling pause can be entered when a pause during the dialling of a phone number is necessary when using a PBX or accessing a long distance service.

For example, if using the unit with a PBX, a line access number (0, in this example) must be dialled before the telephone number:



1 Press 0 .	2 Press RIGHT SOFT KEY .	3 Enter Phone Number.	4 Press TALK .
			



1 Press 0 .	2 Press RIGHT SOFT KEY .	3 Enter Phone Number.	4 Lift the handset.
			

- You can also press  (for cordless handset) or  (for base unit) to make a call.
- Entering a pause can prevent misdialling when you redial or dial a stored number.
- Pressing **RIGHT SOFT KEY** more than once increases the length of the pause between numbers.
- To change the pause time, see **Selecting the Pause Time** on page 66.

Using the Telephone

◆◆ Call Waiting

Call Waiting is a service of your telephone company and will operate only if you have subscribed to this service. If you subscribe to Call Waiting, a tone will notify you when another person calls you while you are already talking on the phone. You can answer the second call, keeping the first call on hold.



(Call waiting tone sounds during a call)



Press **RECALL**.



The first call is put on hold and the second call is answered.

◆ Returning to the First Caller

Press **RECALL** once again.



(Call waiting tone sounds during a call)



Press **RECALL**.



The first call is put on hold and the second call is answered.

◆ Returning to the First Caller

Press **RECALL** once again.



- If you subscribe to both Caller ID and Call Waiting, the units will display the second caller's phone number when you hear the call waiting tone. If the phone number of the second caller is stored in the unit's phonebook along with a name, the caller's name will be displayed.
- If the phone number is stored in the base unit phonebook with its name, the caller's name will be also displayed.
- Your telephone company may not support the second caller display feature. Please consult your telephone company for details of this service.

◆◆ Call Minder Indication

Call Minder Indication is a service of your telephone company and will only operate if you have subscribed to this service. After subscription,  will be displayed on your cordless handset and base unit to indicate you have a message waiting. Please consult your telephone company for details of this service.

- If  still remains on the display even after you have listened to new messages, turn it off by moving the **JOYSTICK** left (cordless handset) for 2 seconds.

Caller ID

◆◆ Caller ID Service

Caller ID is a service of your telephone company and will operate only if you have subscribed to this service.

After subscribing to Caller ID, this phone will display the caller information.

If your unit is connected to a PBX or a telephone line that does not support this service, you will not be able to use it.

Caller ID does not display caller information while using the cordless handset for an intercom call. However, the caller information will be stored to the Caller ID List.

For all local and national incoming calls, your display will show the area code (e.g., 09 for Auckland) or the cellular prefix (e.g., 0274 for Telecom Cellular) followed by the caller's telephone number. An Auckland caller's number will be displayed as 09XXXXXXX. The seven X's represent the seven digits of the caller's telephone number. A call from a six digit Telecom Cellular number will be displayed as 0274XXXXXX. For incoming international calls, your display may only show the digits "0000". For business users on a Centrex line, your display will show the Centrex extension numbers in the shorter extension number format used within your company.



◆ Standby Mode Display

H/set 1 → 10 Calls 17.8 14:59



◆ Standby Mode Display

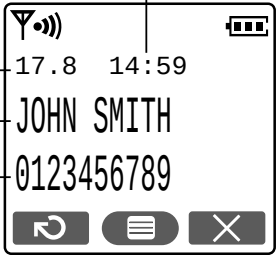
→ 10 Calls 17.8 14:59

◆◆ Using Telecom's or Another Company's Toll Services

Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

◆◆ Making a Call from the Caller ID List

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select “ Caller ID”.  
3 The newest caller information is displayed. Time Received — Date Received — 17.8 14:59 Name — JOHN SMITH Tel No. — 0123456789 	4 Search for the desired item. 
	5 Press TALK. 

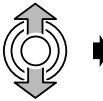
- You can also press  to make a call.
- “✓” indicates you have already viewed this caller information, or answered the call. It also indicates the other registered unit user has already viewed this caller information, or answered the call.
- If the caller has requested not to display his/her information, the display shows “Private Caller”.
- If the caller dialed from an area which does not provide Caller ID service, the display shows “Out of Area”.
- When scrolling reaches the end of the list, an end tone will sound.
- If you store your area code (p. 67) e.g., 09, 04, 03 etc., local phone numbers will be dialled without the area code prefix, therefore you do not need to edit local numbers to call back.

List Menu

◆◆ Caller ID List Menu

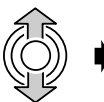
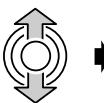
You can save the numbers from the Caller ID list into the handset phonebook, and you can edit (for calling) or delete item(s) in the Caller ID List.

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select “  Caller ID”.  → 	3 Select the desired item.  → 
Go to step 4.		

- When scrolling reaches the end of the list, an end tone will sound.
- If there are no items stored in the caller list when “Caller ID” is selected, the handset display shows “Memory Empty”.

◆ Storing a Number in the Handset Phonebook

Follow steps 1 to 3 shown above, then:		
4 Select “Save Phonebook”.  → 	5 Enter Name (p. 39), then press  . (max. 16 characters) If required, edit phone number. (max. 24 digits)	6 Press JOYSTICK . 
7 Select the desired category or “Off” (p. 36).  → 	8 Select “Save”, then “Saved” is displayed. 	

◆ **Editing the Received Number for Calling**

The caller's telephone number, which is sent to your telephone from your local telephone exchange, includes the "0" and area code prefix. For local calls, the "0" and area code prefix can be omitted. See **Using Telecom's or Another Company's Toll Services** on page 30 for more information.

Follow steps 1 to 3 on the previous page, then:		
4 Select "Edit for Call".  → 	5 Edit Phone Number. (max. 24 digits)	6 Press TALK or JOYSTICK to call.  OR 

- You can also press  to make a call.

◆ **Deleting One/All Caller ID Item(s)**

Follow steps 1 to 3 on the previous page, then:	
4 Select "Delete" or "Delete All".  → 	5 Select "Yes", then "Deleted" is displayed.  → 

List Menu

◆◆ Redial List Menu

You can save the numbers from the redial list into the handset phonebook, and you can edit (for calling) or delete item(s) in the redial list.

To exit the operation, press  at any time.

1 Press RIGHT SOFT KEY . 	2 Select the desired item.  → 
Go to step 3.	

- If there are no items stored in the redial list when  is pressed, the handset display shows “Memory Empty”.

◆ Storing the Number in the Handset Phonebook

Follow steps 1 and 2 shown above, then:

3 Select “Save Phonebook”.  → 	4 Enter Name (p. 39). (max. 16 characters)	5 Press JOYSTICK twice.  twice
6 Select the desired category or “Off” (p. 36).  → 	7 Select “Save”, then “Saved” is displayed. 	

◆ Editing the Dialed Number for Calling

Follow steps 1 and 2 on the previous page, then:		
3 Select "Edit for Call".  → 	4 Edit Phone Number. (max. 24 digits)	5 Press TALK or JOYSTICK to call.  OR 

- You can also press  to make a call.

◆ Deleting One/All Redial Item(s)

Follow steps 1 and 2 on the previous page, then:	
3 Select "Delete" or "Delete All".  → 	4 Select "Yes", then "Deleted" is displayed.  → 

Using the Phonebook

You can store up to 200 caller information in the handset phonebook and up to 20 caller information in the base unit phonebook. If you subscribed to Caller ID and you received a call from the same phone number you stored with name in each phonebook, the display will show the caller's name.

When same phone number has been registered to the handset and the base unit phonebook with different names, each display will show each registered caller's name.

◆◆ Private Category Feature

You can categorise caller information in the handset phonebook. There are 9 categories available. For example, category 1 can be used to save friends' numbers. For each category, you can rewrite the category names (max. 10 characters: see **Changing the Category Name** on page 59), you can select one of 3 Ringer LED colours (see **Setting the Private Colour** on page 59) and one of 15 ringer types (see **Ringer Options** on page 56).

This feature is available only after subscription to Caller ID Service. Please contact your telephone company for further information.

Example

Private Category No.	Ringer LED Colour*			Private Ringer Type	Category Name
	Green	Orange	Red		
1		✓		3	Friends
3			✓	2	Customers

* The factory preset LED colour is green.

- The unit will indicate an incoming call using the factory preset LED colour (green) and the ringer pattern assigned to external calls (p. 57) momentarily until Caller ID information is received from the telephone company.

◆◆ Audible Caller ID

To use this feature, you need to subscribe to Caller ID service. For further information, please contact your telephone company. You need to store caller information and record the name into the base unit phonebook (p. 38).

When a call comes in, the unit will ring and the caller information will be received. If you receive a call from one of the same phone numbers stored in the base unit phonebook, the recorded name will be announced.

- If the ringer volume of the cordless handset is OFF, recorded names will not be announced. Announcement volume depends on the cordless handset ringer setting (p. 57).
- If the ringer volume of the base unit is OFF, recorded names will not be announced. Announcement volume depends on the base unit ringer setting (p. 74).
- Your unit may mute one or more of rings in order to announce the name of the caller, as announcement is prior to rings.

Using the Phonebook

◆◆ Storing Caller Information in the Handset Phonebook

To exit the operation, press  at any time.

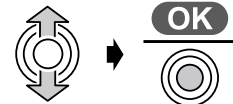
1 Press **LEFT SOFT KEY**.



2 Press **JOYSTICK**.



3 Select “H/set Phonebook”, then the display shows the number of empty phonebook entries.



4 Enter Name (p. 39).
(max. 16 characters)

5 Press **JOYSTICK**.

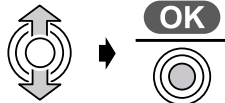


6 Enter Phone Number.
(max. 24 digits)

7 Press **JOYSTICK**.



8 Select the desired category or “Off”.



9 Select “Save”, then “Saved” is displayed.



- If “Memory Full” is displayed in step **3**, the handset phonebook is full. To store, delete other stored items in the handset phonebook.
- To continue storing other caller information, repeat from step **4**.
- If you need to go back to entering name during entering phone number, move the **JOYSTICK** up.

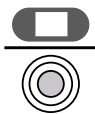
Using the Phonebook

◆◆ Storing Caller Information in the Base Unit Phonebook

This feature can be operated with the cordless handset only.

To use an Audible Caller ID feature (p. 36), you must store caller information into the base unit phonebook.

To exit the operation, press  at any time.

1 Press LEFT SOFT KEY . 	2 Press JOYSTICK . 	3 Select "Base Phonebook", then the display shows the number of empty phonebook entries.  → 
4 Enter Name (p. 39). (max. 16 characters)	5 Press JOYSTICK . 	6 Enter Phone Number. (max. 24 digits)
7 Press JOYSTICK . 	8 Select "Start Recording".  → 	9 Record the name within 1 minute.
10 Press JOYSTICK . 	11 Select "Save", then "Saved" is displayed. 	

- If "Memory Full" is displayed in step 3, the phonebook is full. To store, delete other stored items in the phonebook.
- If "Memory Full" is displayed in step 8, the remaining recording time is 0. To store, delete unnecessary incoming/memo messages (p. 93, 95).
- To continue storing other caller information, repeat from step 4.
- If you do not use Audible Caller ID feature, select "Skip Recording" at step 8 and go to step 11.
- If you need to go back to entering name during entering phone number, move the **JOYSTICK** up.

Using the Phonebook

◆◆ Entering Names/Characters

Keys	Operations
	Move the JOYSTICK up, down, left or right to move the cursor (a flashing digit).
 to 	Press to enter letters/numbers. (Items are added to the left of the cursor. If the cursor is at the beginning of a line, the item is added at the beginning.)
	Press to delete characters. (Character on the cursor is deleted. To delete all characters, press and hold.)
	Press to change between upper and lower case.
	Press to insert a blank space (except when in Numeric input mode).
	Press to insert a symbol (*, #, /, etc.) (except when in Numeric input mode).

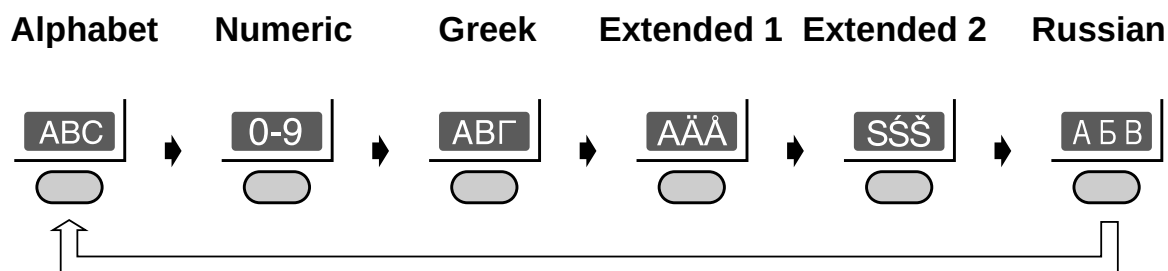
Using the Phonebook

◆ Selecting the Input Mode

You can select one of 6 input modes by pressing **RIGHT SOFT KEY** while entering a name. The function icon above the key displays the current input mode. The factory preset is “**Alphabet Mode**”.

For the full character map, see **Phonebook Character Table** (p. 111).

To switch the input mode while editing the name in the phonebook, press **RIGHT SOFT KEY**.



Example (Alphabet Mode)

Enter the name using the letters on the keypad. For example, to enter “Anne” in Alphabet Mode:



Using the Phonebook

◆◆ Finding Items in the Handset/Base Unit Phonebook



All phonebook items are stored in the following order: Alphabet letter/Symbol/Number/Telephone Number (when a name is not stored).

To exit the operation, press at any time.

(For Handset Phonebook)

- If voice tag is recorded, will appear on the display of the handset phonebook item.

1 Press **LEFT SOFT KEY**.



2 Move the **JOYSTICK** up or down to search for the desired item.



(For Base Unit Phonebook)

Please see page 73 for the operation performed with the base unit.

1 Press **LEFT SOFT KEY** twice.



2 Move the **JOYSTICK** up or down to search for the desired item.



◆ Searching for a Name by Initial

Example: To find "Fe lix"

(For Handset Phonebook)

1 Press **LEFT SOFT KEY**.



OR

(For Base Unit Phonebook)

1 Press **LEFT SOFT KEY** twice.



2 Press **3** repeatedly until the first item under "F" is displayed.

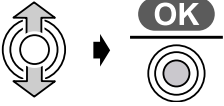
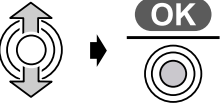


3 Move the **JOYSTICK** down until "Fe lix" is displayed.



Using the Phonebook

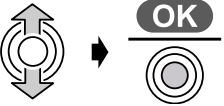
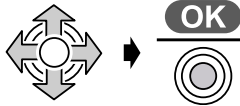
◆ Searching by Private Category (For Handset Phonebook only)

1 Press LEFT SOFT KEY. 	2 Press RIGHT SOFT KEY. 	3 Select "Category". 
4 Select the desired category. 	5 Select the desired item to display. 	

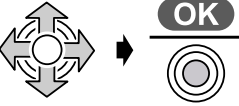
◆ Searching by Index Search Mode

Example: To find "ϕυῦλϑ" (SOPHIA).

(For Handset Phonebook)

1 Press LEFT SOFT KEY. 	2 Press RIGHT SOFT KEY. 	3 Select "Index Search". 
4 Press RIGHT SOFT KEY repeatedly until the desired input mode (Greek) appears. 	5 Select the desired initial character "ϕ". 	6 Move the JOYSTICK down until "ϕυῦλϑ" is displayed. 

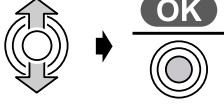
(For Base Unit Phonebook)

1 Press LEFT SOFT KEY twice.  twice	2 Press RIGHT SOFT KEY. 	3 Press RIGHT SOFT KEY repeatedly until the desired input mode (Greek) appears. 
4 Select the desired initial character "ϕ". 	5 Move the JOYSTICK down until "ϕυῦλϑ" is displayed. 	

Using the Phonebook

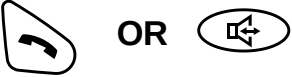
◆ Searching an Item in the Voice Tag List

Please see **Voice Search for the Handset Phonebook** for recording voice tag (p. 48).

1 Press LEFT SOFT KEY . 	2 Press RIGHT SOFT KEY . 	3 Select "Voice Tag". 
4 Select the desired item to display. 		

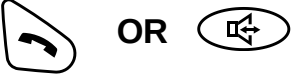
◆◆ Dialling from the Handset/Base Unit Phonebook

(For Handset Phonebook)

1 Press LEFT SOFT KEY . 	2 Select the desired item (see pages 41 and 42).	3 Press TALK or SPEAKERPHONE . 
--	---	--

(For Base Unit Phonebook)

Please see page 73 for the operation performed with the base unit.

1 Press LEFT SOFT KEY twice.  twice	2 Select the desired item (see pages 41 and 42).	3 Press TALK or SPEAKERPHONE . 
---	---	--

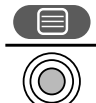
Using the Phonebook

◆◆ Editing Caller Information in the Handset/Base Unit Phonebook

This feature can be operated with the cordless handset only.

To exit the operation, press  at any time.

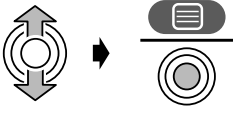
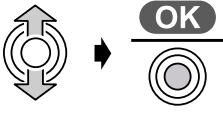
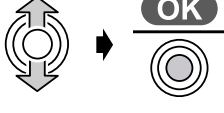
(For Handset Phonebook)

1 Press LEFT SOFT KEY . 	2 Select the desired item.  → 	3 Select "Edit".  → 
4 Edit Name. (max. 16 characters)	5 Press JOYSTICK . 	6 Edit Phone Number. (max. 24 digits)
7 Press JOYSTICK . 	8 Select the desired category or "Off".  → 	9 Select "Save", then "Saved" is displayed. 

- To continue editing other caller information, repeat from step 2.

Using the Phonebook

(For Base Unit Phonebook)

1 Press LEFT SOFT KEY twice. 	2 Select the desired item. 	3 Select "Edit". 
4 Edit Name. (max. 16 characters)	5 Press JOYSTICK. 	6 Edit Phone Number. (max. 24 digits)
7 Press JOYSTICK. 	8 Select "Start Recording". If you do not change the recorded name, select "Skip Recording", then go to step 11. If you delete the recorded name, select "Delete", then go to step 11. 	
9 Record the name within 1 minute.	10 Press JOYSTICK. 	11 Select "Save", then "Saved" is displayed. 

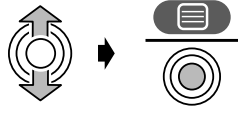
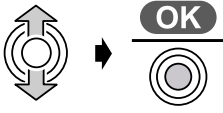
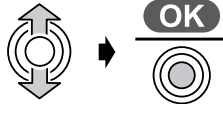
- To continue editing other caller information, repeat from step **2**.
- If you confirm the recorded name, select "Audible Call", then press  at step **3**.

◆◆ Deleting Caller Information in the Handset/Base Unit Phonebook

This feature can be operated with the cordless handset only.

To exit the operation, press  at any time.

(For Handset Phonebook)

1 Press LEFT SOFT KEY. 	2 Select the desired item. 	3 Select "Delete". 
4 Select "Yes", then "Deleted" is displayed. 		

Using the Phonebook

(For Base Unit Phonebook)

1 Press LEFT SOFT KEY twice.  twice	2 Select the desired item.  → 	3 Select "Delete".  → 
4 Select "Yes", then "Deleted" is displayed.  → 		

- To continue deleting other caller information, repeat from step 2.
- If there are no items stored in the handset/base unit phonebook when selecting the desired item, the display shows "Memory Empty".

◆◆ Hot Keys

You can assign the dialling buttons  through  as hot keys. You can choose 9 phone numbers from the handset phonebook.

To exit the operation, press  at any time.

◆ Registering a Phone Number as a Hot Key

1 Press LEFT SOFT KEY. 	2 Select the desired item.  → 	3 Select "Reg. to Hot Key".  → 
4 Select the desired dialling button number.  → 	5 Select "Save", then "Saved" is displayed. 	

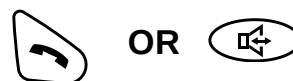
- If there are no items stored in the handset phonebook when searching for the desired item, the handset display shows "Memory Empty".
- If an item is already assigned to a hot key, "✓" will be displayed on the left of the key number. If a hot key number with "✓" is selected, press  to select "Overwrite".

Using the Phonebook

◆ Dialling with a Hot Key

1 Press and hold the dialling button registered as a hot key until a phone number is displayed.

2 Press **TALK** or **SPEAKERPHONE**.



◆ Deleting the Hot Key Registration

1 Press and hold the dialling button registered as a hot key until a phone number is displayed.

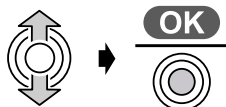
2 Press **JOYSTICK**.



3 Select "Delete".



4 Select "Yes", then "Deleted" is displayed.



- Handset phonebook registration will not be erased when hot key registration is deleted.

◆◆ Chain Dial

You can use this feature while Telebanking or using a similar service, when you are prompted to enter a PIN code or Password.

(During a call)

1 Press **JOYSTICK**.



2 Press **RIGHT SOFT KEY**.



3 Move the **JOYSTICK** up or down to search for the desired item.



4 Select the desired item.



➔ Dialling

- To continue entering code, repeat from step 1.
- To search for the desired entry by **Name by Initial**, **Private Category**, **Index**, **Voice Tag List** at step 3, please refer to pages 41 to 43.
- Searching for the desired item with Voice Search is not available.

Voice Search for the Handset Phonebook

◆◆ Voice Search

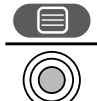
You can record up to 20 voice tags for the handset phonebook items, then you can search for an item in the handset phonebook with your voice. If you set the Auto Voice Dial ON (p. 63), the selected item with your voice is automatically dialled out.

Ensure that the  icon is not flashing.

To exit the operation, press  at any time.

◆ Recording Voice Tag for Voice Search

You must record voice tag 2 times.

1 Press LEFT SOFT KEY . 	2 Select the desired item.  → 	3 Select "Voice Tag".  → 
4 Select "Record".  →  (Beep)		
5 Start recording • Record voice tag within 2 seconds after "Voice Tag Record" is displayed. • 20 cm away from the Mic. • Speak clearly in a quiet room .	(Beep) →	Repeat recording • Record voice tag again for confirmation. • If voice tag recording is completed, "Saved" will appear on the display.

-  button lights after step 4.
- Please try recording a different voice tag if similar voice tag is already recorded.
- "Timeout Please Try Again" is displayed if recording time is over 10 seconds.
- "Too Long Please Try Again" is displayed if voice tag is recorded more than 2 seconds.
- "Too Different Please Try Again" is displayed if the 2nd voice tag was recorded too different from the 1st one.
- "Already Exists Please Try Again" is displayed after the 2nd recording if similar voice tag exists already.
- If the Key Tone is OFF (p. 58), a beep will not sound.
- Voice Search performs the best when used by the same person who recorded the voice tag. If a different person tries to perform a voice search, this feature may not function properly.
- If voice tag is recorded,   will appear on the display of the handset phonebook item.

Voice Search for the Handset Phonebook

◆ Searching with Your Voice

1 Press and hold **LEFT SOFT KEY**.



2 Announce the name to be searched for through the Voice Tag List.

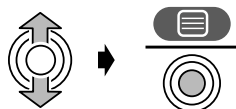
- If there are no voice tags stored in the handset phonebook when  is pressed and held, "Voice Tag Memory Empty" is displayed.
- If the matched voice tag is found, the recorded voice tag is played and the item in the handset phonebook with the voice tag is displayed, then you can make a call if you press . If Auto Voice Dial is ON (p. 63), it is automatically dialled out.
- "No Match Please Try Again" is displayed if there are no matched voice tag, then the unit will retry up to 5 times automatically.
- "Timeout Please Try Again" is displayed if searching time is over 10 seconds.
- Voice Search performs the best when used by the same person who recorded the voice tag. If a different person tries to perform a voice search, this feature may not function properly.
- **If there is difficulty in obtaining the voice tag, delete it and then re-record it using a different voice tag.**

◆ Playing a Voice Tag

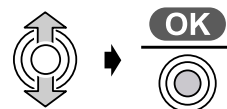
1 Press **LEFT SOFT KEY**.



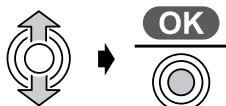
2 Select the desired item.



3 Select "Voice Tag".



4 Select "Play".



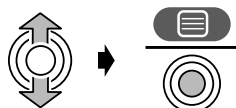
-  button lights after step 4.

◆ Deleting a Voice Tag

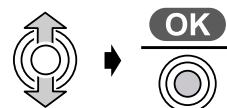
1 Press **LEFT SOFT KEY**.



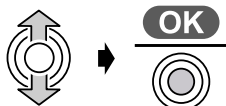
2 Select the desired item.



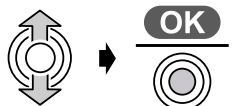
3 Select "Voice Tag".



4 Select "Delete".



5 Select "Yes".



Phonebook Copy

◆ Phonebook Copy

You can copy handset phonebook information between cordless handsets registered to the same base unit. The handset phonebook copy must be performed while in intercom mode (see **Intercom Between Registered Units** on page 80). To exit the operation, press  at any time.

◆ Example: Copying a Handset Phonebook Item to Another Handset Phonebook

	<Cordless Handset 1: Receiver>	<Cordless Handset 2: Sender>
1	Press INTERCOM  , then press the desired cordless handset number  .	
2		Press TALK  .
	(During an intercom call)	
3	Press JOYSTICK . 	
4	Select "Recv Phonebook". "Start Copying" is displayed.  → 	
5		Press JOYSTICK . 
6		Select "Send Phonebook".  → 
7		Select the desired item to copy.  → 
8		Select "Copy One Item", then "Start Copying" is displayed.  → 

Phonebook Copy

◆ Example: Copying All Handset Phonebook Items to Another Handset Phonebook

To exit the operation, press  at any time.

Follow steps 1 to 6 on the previous page, then:		
	<Cordless Handset 1: Receiver>	<Cordless Handset 2: Sender>
7		Press JOYSTICK . 
8		Select "Copy All Items", then "Start Copying" is displayed.  → 

- When copying is completed, a beep sounds and "Copy Complete" is displayed. After a few seconds, the handset display will return to the intercom call. "Copy Incomplete" will be displayed on the sender handset if the receiver handset memory is full. If "Copy Failure" is displayed on the sender handset, the receiver did not prepare for copying.
- If you move the **JOYSTICK** up or down before pressing **JOYSTICK** on step 7, all items will not be copied. The items, from the item indicated now to the last item, are copied.

◆ Example: Copying a Handset Phonebook Item to the Base Unit Phonebook

1 Press INTERCOM . 	2 Press JOYSTICK . 	3 Select "Copy to Base". 
4 Select the desired item.  → 		

- If "Memory Full" is displayed when you select "Copy to Base", the base unit phonebook is full.
- Items in the handset phonebook can be copied one at a time.

Settings Menu Chart

◆◆ Handset Settings Menu Chart

1st Menu	2nd Menu	3rd Menu
Setting Handset	Set Date/Time	
	Memo Alarm	
	Ringer Option	Ringer Volume
		EXT Ringer Type
		INT Ringer Type
		Paging Tone
		Private Ring
	Tone Option	Key Tone
	Display Option	Standby Display
		Talk Display
		Select Language
		Private Colour
		Category Name
	Call Option	Call Bar
		Direct Call No.
		Direct On/Off
	Registration	Register H/set
		Cancel Base
	Select Base	Auto
		Base 1
		⋮ Base 4
	Other Option	Change H/S PIN
		Change H/S Name
		Auto Talk
		Auto Voice Dial
		Battery Type
		Reset Handset

Settings Menu Chart

◆◆ Base Unit Settings Menu Chart

1st Menu	2nd Menu	3rd Menu
Setting Base	Call Option	Recall
		Pause Time
		Emergency Call
		Set ARS
		Call Restricted
	Cancel Handset	
	Other Option	Change Base PIN
		Reset Base

Handset Settings

All Handset Settings must be operated with the cordless handset.

◆◆ Memo Alarm

Set the date and time before setting the memo alarm (p. 20).

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select “  Setting Handset”.  → 
3 Select “Memo Alarm”.  → 	4 Select the desired alarm number (1-3).  → 

Go to step 5.

◆ Setting the Alarm Mode “Once” or “Daily”

Follow steps 1 to 4 shown above, then:

5 Select “Once” or “Daily”.  → 	6 “Once”: Enter date and time. “Daily”: Enter time.	7 Press JOYSTICK . 
8 Enter a memo message (max. 32 characters), then press JOYSTICK . 	9 Select the desired ringer pattern.  → 	10 Select “Save”, then “Saved” is displayed. 

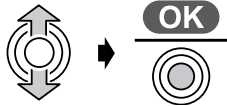
- When setting the time, remember to select 12 or 24 hour clock (p. 20).
- Memo Alarm volume depends on cordless handset ringer volume. The Memo Alarm will still sound even with the ringer set to off.
- The factory preset of ringer pattern is 1.
- When in talk or intercom mode, the alarm will not sound until the call is ended.

Handset Settings

◆ Setting the Alarm “Off”

Follow steps **1** to **4** on the previous page, then:

5 Select “Off”.



6 Select “Save”, then “Saved” is displayed.



- The factory preset is “Off”.
- To delete the displayed memo alarm, press then select “Yes” on step **4** on the previous page.

◆ Stopping the Alarm

(The alarm sounds: Max. 3 minutes)



Press

- You can also stop the alarm by pressing , , to , , or .
- If “Once” is selected, the setting is turned off.

Handset Settings

◆◆ Ringer Options

There are 15 patterns available on each ringer. “Ringer 1” to “Ringer 6” are the bell ringer patterns. “Ringer 7” to “Ringer 15” are the preset melody patterns as below. The music data in this product belongs to M-ZoNE Co., Ltd.

To exit the operation, press  at any time.

Ringer No.	Ringer Pattern or Name	
1 ~ 6	Bell Patterns	
Ringer Pattern 7 to 15: Preset Melody Patterns		
7	Symphony No.5 in C minor	*
8	Air on G String	
9	Wholetemperiere Clavier 1 Teil No 1 Fuga Das	
10	Fantaisie Impromptu	
11	Allegro Spring/The Four Seasons	
12	Also Sprach Zarathustra	
13	Liebestraum	
14	Polovetsian Dance	
15	24 Caprices	

* © 2003 M-ZoNE Co., Ltd.

- If you select one of the melody ringer patterns, the phone will ring for 10 seconds even if a caller has hung up. Therefore, you may hear a dial tone or no one on the line after you answer a call.

Handset Settings

◆ Setting the Ringer Volume

The choices are 6 levels and off. If you set the volume to OFF, “” is displayed, however, the volume of a paging and intercom call is still at level 1.

1 Press JOYSTICK (or move). 	2 Select “  Ringer Option”.  → 	3 Select “Ringer Volume”.  → 
4 To increase volume, move the JOYSTICK up. To decrease volume, move the JOYSTICK down. 	5 Press JOYSTICK . 	

- The factory preset is 6.

◆ Selecting the Ringer Pattern for External Call/Internal Call/Paging

Follow steps 1 and 2 shown above, then:	
3 Select “EXT Ringer Type”, “INT Ringer Type” or “Paging Tone”.  → 	4 Select the desired ringer pattern.  → 

- The factory preset of each ringer pattern is 1.

◆ Selecting the Ringer Pattern for Private Ring

Follow steps 1 and 2 shown above, then:		
3 Select “Private Ring”.  → 	4 Select the desired category.  → 	5 Select the desired ringer pattern.  → 

- The factory preset of each ringer pattern is 1.

Handset Settings

◆◆ Setting the Handset Key Tone ON/OFF

You can turn the Key Tone ON/OFF.

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Handset".  → 	3 Select "Tone Option".  → 
4 Press JOYSTICK to select "Key Tone". 	5 Select "On" or "Off".  → 	

- The factory preset is "On".

◆◆ Display Options

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Handset".  → 	3 Select "Display Option".  → 
Go to step 4.		

◆ Selecting the Standby Mode Display

Follow steps 1 to 3 shown above, then:

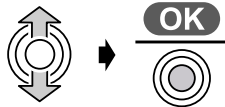
4 Select "Standby Display".  → 	5 Select "Base Number", "Handset Name" or "Off".  → 
---	--

- The factory preset is "Handset Name".

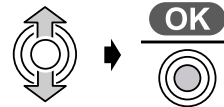
◆ Selecting the Talk Mode Display

Follow steps **1** to **3** of **Display Options** on the previous page, then:

4 Select "Talk Display".



5 Select "Talk Time" or "Phone Number".

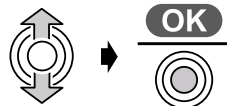


- Even if you select "Phone Number", the length of the call will appear on your display when you receive calls.
- The factory preset is "Talk Time".

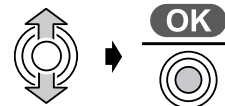
◆ Setting the Private Colour

Follow steps **1** to **3** of **Display Options** on the previous page, then:

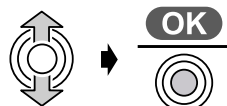
4 Select "Private Colour".



5 Select the desired category.



6 Select Private Colour "Green", "Red" or "Orange" for each category.

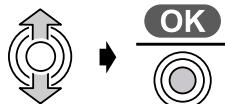


- The factory preset is "Green".
- When you select the private colour on step **6**, the Ringer LED will flash at the selected colour.

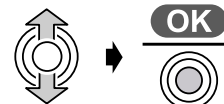
◆ Changing the Category Name

Follow steps **1** to **3** of **Display Options** on the previous page, then:

4 Select "Category Name".



5 Select the desired category.



6 Edit Category Name.
(max. 10 characters: p. 39)

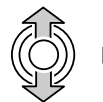
7 Press **JOYSTICK**.



Handset Settings

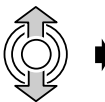
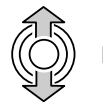
◆◆ Call Options

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Handset".  → 	3 Select "Call Option".  → 
Go to step 4.		

◆ Call Bar ON/OFF

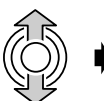
When this feature is set to ON, outgoing calls cannot be made. Only intercom and calls assigned as emergency numbers can be made (see **Setting the Emergency Call Numbers** on page 66).

Follow steps 1 to 3 shown above, then:		
4 Select "Call Bar".  → 	5 Enter 4-digit Handset PIN. (Factory Preset 0000)	6 Select "On" or "Off".  → 

- The factory preset is "Off".
- While the Call Bar mode is turned on, " " is displayed.

◆ Setting the Direct Call Number

After a direct call number has been set and the feature has been turned on, you can dial only the direct call number by pressing  or . When this feature is ON, emergency call cannot be made. However, incoming calls can be answered.

Follow steps 1 to 3 shown above, then:		
4 Select "Direct Call No.".	5 Enter Direct Call Number. (max. 24 digits)	6 Press JOYSTICK .
 → 		
7 Select "Save".	8 Select "On".	
	 → 	

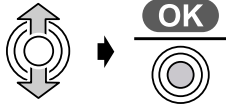
- While the direct call mode is turned on, " " is displayed.

Handset Settings

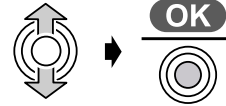
◆ Setting the Direct Call ON/OFF

Follow steps **1** to **3** on the previous page, then:

4 Select "Direct On/Off".



5 Select "On" or "Off".



- The factory preset is "Off".
- If the direct call mode is turned off, "●" will disappear.
- If you do not set the Direct Call Number and select "On" in step **5**, "<Enter Phone No>" will be displayed. Enter the number, then press  twice.

Handset Settings

◆◆ Other Options

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Handset".  →  	3 Select "Other Option".  →  
Go to step 4.		

◆ Changing the Handset PIN (Personal Identification Number)

The factory preset is 0000.

Once you have programmed the handset PIN, you cannot recall it. We recommend that you write down the handset PIN. If you forget it, please consult your nearest Panasonic Service Centre.

Follow steps 1 to 3 shown above, then:	
4 Select "Change H/S PIN".  →  	5 Enter current 4-digit Handset PIN.
6 Enter new 4-digit Handset PIN.	7 Enter new 4-digit Handset PIN again to verify.

◆ Changing the Handset Name

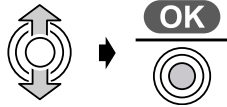
Follow steps 1 to 3 shown above, then:		
4 Select "Change H/S Name".  →  	5 Edit Handset Name. (max. 10 characters)	6 Press JOYSTICK .  

Handset Settings

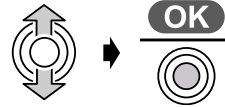
◆ Setting Auto Talk ON/OFF

Follow steps 1 to 3 on the previous page, then:

4 Select "Auto Talk".



5 Select "On" or "Off".

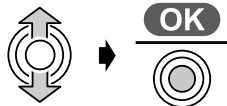


- The factory preset is "Off".

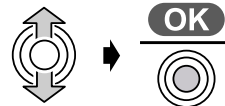
◆ Auto Voice Dial ON/OFF

Follow steps 1 to 3 on the previous page, then:

4 Select "Auto Voice Dial".



5 Select "On" or "Off".

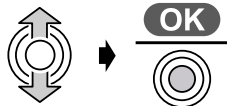


- The factory preset is "Off".

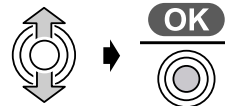
◆ Setting the Battery Type

Follow steps 1 to 3 on the previous page, then:

4 Select "Battery Type".



5 Select "Ni - Cd" or "Ni - MH".

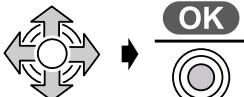
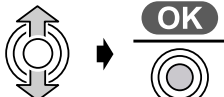
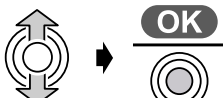
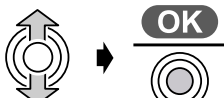


- The factory preset is "Ni - MH".
- After you set the battery type,  is shown on the handset display.

Handset Settings

◆ Resetting the Handset Settings

You can reset all of the handset settings to their initial settings.

1 Press JOYSTICK (or move). 	2 Select "Setting Handset". 	3 Select "Other Option". 
4 Select "Reset Handset". 	5 Enter 4-digit Handset PIN. (Factory Preset 0000)	6 Select "Yes", then "Deleted" is displayed. 

◆ Initial Settings for Cordless Handset

Functions	Initial Settings
Display Language	English
4-Digit Handset PIN	0000
Phonebook List	Remain
Voice Tag	Remain
Select Base	Automatic Base Unit Selection
Redial Memory	Delete All
Walkie-Talkie Setting	Group
Private Colour	Green
Category Name	Remain
Handset Name	Remain
Date/Time	Remain

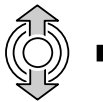
- All of the other handset settings are cleared or turned to their factory preset when you reset the handset settings.

Base Unit Settings

Call Options and Other Options of Base Unit Settings must be operated with the cordless handset.

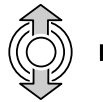
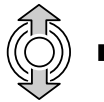
◆◆ Call Options

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Base".  → 	3 Enter 4-digit Base Unit PIN. (Factory Preset 0000)
4 Select "Call Option".  → 		
Go to step 5.		

◆ Selecting the Recall Time

You can change the duration of the recall time depending on the requirements of your telephone company or PBX.

Follow steps 1 to 4 shown above, then:	
5 Select "Recall".  → 	6 Select "Type 1" (100 ms), "Type 2" (600 ms) or "Type 3" (200 ms).  → 

- The factory preset is "Type 2".

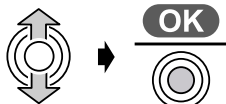
Base Unit Settings

◆ Selecting the Pause Time

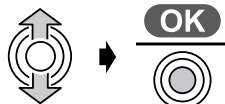
You can select the pause time to 3 or 5 seconds, depending on your PBX requirements.

Follow steps **1** to **4** on the previous page, then:

5 Select "Pause Time".



6 Select "Short" (3 sec.) or "Long" (5 sec.).



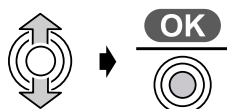
- The factory preset is "Short".

◆ Setting the Emergency Call Numbers

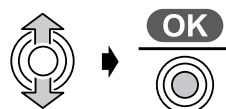
Even if the cordless handset is in Call Bar mode, you can still make an emergency call.

Follow steps **1** to **4** on the previous page, then:

5 Select "Emergency Call".



6 Select "Emergency Call1" to "Emergency Call5".



7 Enter Emergency Call Number.
(max. 24 digits)

8 Press JOYSTICK.



- The factory preset is **111**, **911** and **999**.

NOTE: The factory preset Emergency Call numbers are stored in the first 3 "Emergency Call" locations, it is recommended that you do not overwrite these numbers.

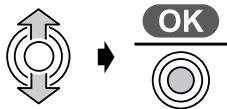
Base Unit Settings

◆ Call Restriction

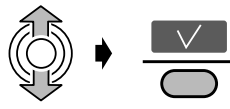
You can restrict selected cordless handset(s) or the base unit from dialling selected phone numbers. You can assign up to 6 call restriction numbers (up to 8 digits). If you dial a restricted number, the call does not connect and the restricted number flashes.

Follow steps **1** to **4** on **Call Options** on page 65, then:

5 Select "Call Restricted".



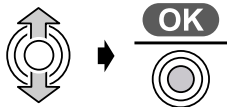
6 Search and press **RIGHT SOFT KEY** to attach (or cancel) "✓" to the desired Cordless Handset(s) or Base Unit to restrict.



7 Press **JOYSTICK**.



8 Select the restricted number item (1-6).



9 Enter the restricted phone number (up to 8 digits).

10 Press **JOYSTICK**.



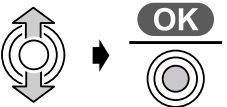
NOTE: When you enter the first digit in step 9, it will overwrite the current displayed numbers. We recommend that you write down the restricted phone number you have entered.

◆ Storing Your Area Code

If you store your area code, e.g., 09, 04, 03 etc., phone numbers from the same area will be dialled without the area code. When you call back from the Caller ID List, you do not need to edit numbers.

Follow steps **1** to **4** of **Call Options** on page 65, then:

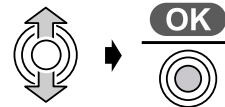
5 Select "Set ARS".



6 Select "Set Area Code".



7 Select the desired number (1-25).



8 Enter Area Code. (max. 5 digits)

9 Press **JOYSTICK**.



- To erase the area code, press  in step 8, then press .

NOTE: The use of this feature can prevent a National Call from being dialled. E.g., in the case of the South Island, the "03" will be omitted and will therefore prevent a National Call to other areas of the South Island.

Base Unit Settings

◆◆ Other Options

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Base".  → 	3 Enter 4-digit Base Unit PIN. (Factory Preset 0000)
4 Select "Other Option".  → 		
Go to step 5 .		

◆ Changing the Base Unit PIN (Personal Identification Number)

The factory preset is 0000.

Once you have programmed the base unit PIN, you cannot recall it. We recommend that you write down the base unit PIN. If you forget it, please consult your nearest Panasonic Service Centre.

Follow steps 1 to 4 shown above, then:		
5 Select "Change Base PIN".  → 	6 Enter new 4-digit Base Unit PIN.	7 Enter new 4-digit Base Unit PIN again to verify.

◆ Resetting the Base Unit Settings

You can reset all of the base unit settings to their initial settings.

Follow steps 1 to 4 shown above, then:	
5 Select "Reset Base".  → 	6 Select "Yes", then "Deleted" is displayed.  → 

Base Unit Settings

◆ Initial Settings for Base Unit

Functions	Initial Settings
4-Digit Base Unit PIN	0000
Base Unit External Ringer Pattern	1
Base Unit Receiver Volume	Medium
Call Bar Mode	OFF
Display Language	English
Redial Memory	Delete All
Phonebook List	Remain
Caller ID List	Delete All
Area Code	Delete All
Date/Time	31-12-03/00:00
Answering System	ON
Your Own Greeting Message	Remain
Caller's Recording Time	No Limit
Number of Rings	4 Rings
Greeting Monitor	ON
Remote Code	Delete (OFF)
Incoming/Memo Message(s)	Remain

- All of the other base unit settings are cleared or turned to their factory preset when you reset the base unit settings.

Operations Performed with the Base Unit

◆◆ Making a Call from the Caller ID List

Please see page 30 for more feature description.

To exit the operation, press  at any time.

1 Press RIGHT SOFT KEY. 	➔ The newest caller information is displayed.	2 Select the desired item. 
3 Lift the handset.		

- You can also press  to make a call.
- “✓” indicates you have already viewed this caller information, or answered the call. It also indicates the registered cordless handset user has already viewed this caller information, or answered the call.
- If the caller has requested not to display his/her information, the display shows “Private Caller”.
- If the caller dialed from an area which does not provide Caller ID service, the display shows “Out of Area”.
- When scrolling reaches the end of the list, an end tone will sound.
- If you store your area code (p. 67) e.g., 09, 04, 03 etc., local phone numbers will be dialed without the area code prefix, therefore you do not need to edit local numbers to call back.

◆◆ Caller ID List Menu

You can edit (for calling) or delete item(s) in the Caller ID List.

To exit the operation, press  at any time.

1 Press RIGHT SOFT KEY. 	➔ The newest caller information is displayed.	2 Select the desired item.  ➔ 
Go to step 3 on the next page.		

- When scrolling reaches the end of the list, an end tone will sound.
- If there are no items stored in the caller list when  is pressed, the base unit display shows “Memory Empty”.

Operations Performed with the Base Unit

◆ Editing the Received Number for Calling

Follow steps **1** and **2** of **Caller ID List Menu** on the previous page, then:

3 Select "Edit for Call".



OK



4 Edit Phone Number.
(max. 24 digits)

5 Lift the handset or press **MIDDLE SOFT KEY**.

OK



- You can also press to make a call.
- If you press to or after step **3**, the first digit of the phone number will be inserted.

◆ Deleting One/All Caller ID Item(s)

Follow steps **1** and **2** of **Caller ID List Menu** on the previous page, then:

3 Select "Delete" or "Delete All".



OK



4 Select "Yes", then "Deleted" is displayed.



OK

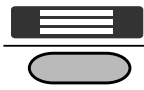


- To delete the displayed item, press then select "Yes" on step **2** of **Caller ID List Menu** (p. 70).

Operations Performed with the Base Unit

◆◆ Redial List Menu

You can edit (for calling) or delete item(s) in the redial list.
To exit the operation, press  at any time.

1 Press REDIAL . 	➔ The last number dialed is displayed.	2 Search for the desired dialed item.  ➔ 
Go to step 3.		

◆ Editing the Dialed Number for Calling

Follow steps 1 to 2 shown above, then:		
3 Select “Edit for Call”.  ➔ 	4 Edit Phone Number. (max. 24 digits)	5 Lift the handset or press MIDDLE SOFT KEY . 

◆ Deleting One/All Redial Item(s)

Follow steps 1 to 2 shown above, then:		
3 Select “Delete” or “Delete All”.  ➔ 	4 Select “Yes”, then “De leted” is displayed.  ➔ 	

- To delete the displayed item, press  then select “Yes” on step 2.

Operations Performed with the Base Unit

◆◆ Finding Items in the Base Unit Phonebook

Storing (p. 38)/Editing (p. 45)/Deleting (p. 46) items in the base unit phonebook can be operated with cordless handset.

To exit the operation, press  at any time.

1 Press LEFT SOFT KEY. 	➔ The first base unit phonebook item is displayed.	2 Select the desired item. 
--	--	---

◆◆ Dialling from the Base Unit Phonebook

To exit the operation, press  at any time.

1 Press LEFT SOFT KEY. 	➔ The first base unit phonebook item is displayed.	2 Select the desired item. 
3 Lift the handset.		

- You can also press  to make a call.

Operations Performed with the Base Unit

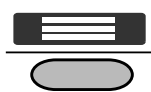
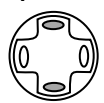
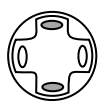
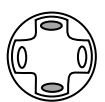
◆◆ Ringer Options

The choices for the base unit ringer volume are 3 levels and off.

If you set the volume to OFF, “” is displayed.

To exit the operation, press  at any time.

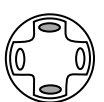
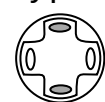
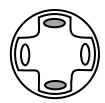
◆ Setting the Base Unit Ringer Volume

1 Press MIDDLE SOFT KEY. 	2 Select “Ringer Option”.  → 	3 Select “Ringer Volume”.  → 
4 To increase volume, press NAVIGATOR KEY up. To decrease volume, press NAVIGATOR KEY down. 		5 Press MIDDLE SOFT KEY. 

- The factory preset is medium.

◆ Setting the Base Unit Ringer Pattern for External Call

The choices for the base unit ringer pattern for external call are 6 patterns.

1 Press MIDDLE SOFT KEY. 	2 Select “Ringer Option”.  → 	3 Select “EXT Ringer Type”.  → 
4 Select the desired ringer pattern.  → 		

- The factory preset is 1.

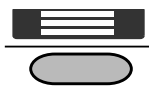
Operations Performed with the Base Unit

◆◆ Call Bar ON/OFF

When this feature is set to ON, outgoing calls cannot be made. Intercom calls and calls to numbers assigned as emergency numbers can be made (see **Setting the Emergency Call Numbers** on page 66).

To exit the operation, press  at any time.

1 Press
MIDDLE SOFT KEY.



2 Select "Call Bar".



3 Enter 4-digit
Base Unit PIN.
(Factory Preset 0000)

4 Select "On" or "Off".



- The factory preset is "Off".
- While the Call Bar mode is turned on, "" is displayed.

Multi-Unit User Operations

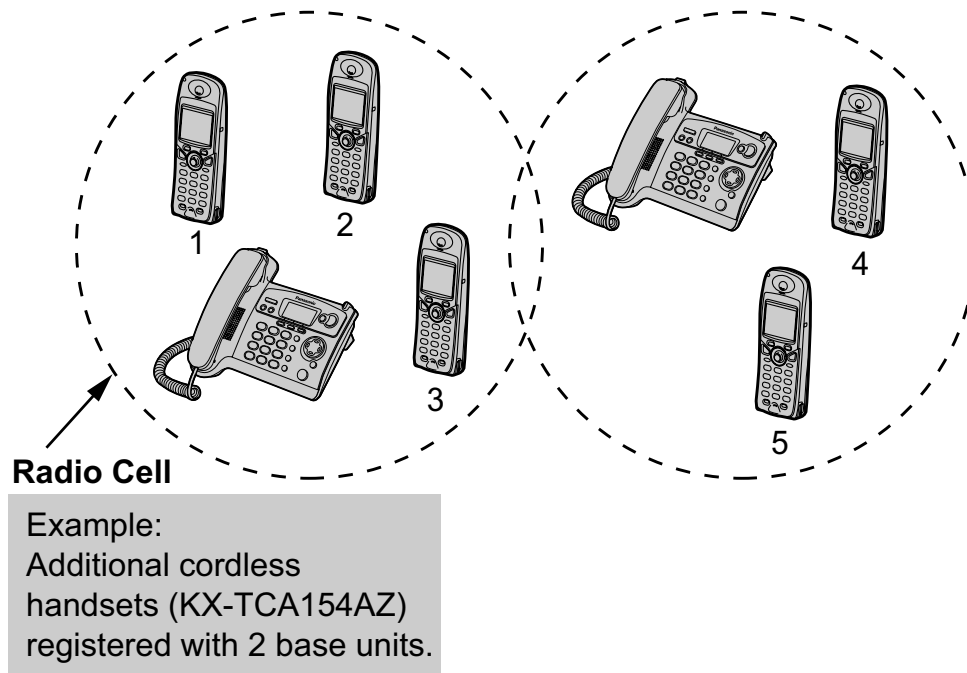
◆◆ Operating Additional Cordless Handsets

Additional **KX-TCA151AZ** or **KX-TCA154AZ** cordless handsets are available to purchase separately. Up to 6 cordless handsets can be registered to a single base unit. Using additional cordless handsets allows you to have an intercom call while simultaneously conducting a call to an outside line.

KX-TCA151AZ does not have Voice Search feature.

◆◆ Operating Additional Base Units

You can register and operate your cordless handset with up to 4 base units. Each base unit forms 1 radio cell. If the individual bases are linked to the same telephone line then you can extend the operating range of the system by positioning the bases so that the cordless two radio cells overlap. If the cordless handset is set to auto base selection, then in standby mode the cordless handset will automatically swap to the second base if the range on the first base is exceeded. It is not possible to transfer calls between bases (only between cordless handsets linked to the same base unit).



NOTE: Calls are disconnected when the cordless handset moves from one radio cell to another.

Multi-Unit User Operations

◆◆ Cordless Handset Registration to a Base Unit

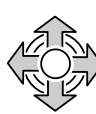
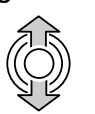
The cordless handset supplied with the base unit is already registered. If an optional cordless handset is purchased, it must be registered as follows.

Charge the optional cordless handset batteries for 7 hours before initial use.

Cordless handset registration must be completed within 1 minute after pressing

. If over 1 minute, press  then start over again.

To exit the operation, press  at any time.

1 Press JOYSTICK (or move). 	2 Select "  Setting Handset".  → 	3 Select "Registration".  → 
4 Select "Register H/set".  → 	5 Press and hold  on the Base Unit (for about 3 seconds) until the tone sounds.	
6 Select the desired base unit.  → 	7 Enter 4-digit Base Unit PIN. (Factory Preset 0000)	8 Press JOYSTICK . 

When a cordless handset is registered successfully, a confirmation tone sounds and the  icon is displayed.

- If you enter an incorrect Base Unit PIN, an error tone will sound. Repeat from step 1.
- To register a cordless handset to more than one base unit, repeat from step 1 with the other base unit(s).
- The cordless handset main menu may change depending on the base unit that the cordless handset is registered to.

Multi-Unit User Operations



◆ Cancelling a Cordless Handset

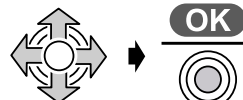
Each cordless handset can cancel itself or another cordless handset. This feature is usually used to cancel a link between Cordless Handset and Base Unit.

To exit the operation, press  at any time.

1 Press **JOYSTICK** (or move).

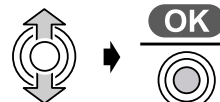


2 Select " Setting Base".

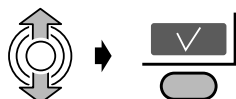


3 Enter 4-digit Base Unit PIN.
(Factory Preset 0000)

4 Select "Cancel Handset".



5 Search and press **RIGHT SOFT KEY**
to attach "✓" to the handset(s) to cancel.



6 Press **JOYSTICK**.



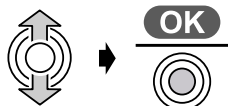
◆ Cancelling a Base Unit

If a cordless handset is out of range and/or power is OFF when **Cancelling a Cordless Handset**, the previous base unit number will still remain in the cancelled cordless handset. Therefore, you need to cancel the base unit registered in the cancelled cordless handset.

To exit the operation, press  at any time.

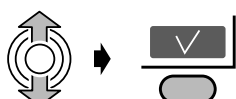
Follow steps **1** to **3** on the previous page, then:

4 Select "Cancel Base".



5 Enter 4-digit Handset PIN.
(Factory Preset 0000)

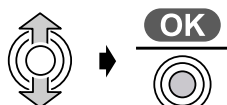
6 Search and press **RIGHT SOFT KEY** to
attach "✓" to the base unit to cancel.



7 Press **JOYSTICK**.



8 Select "Yes", then "Deleted" is displayed.



Multi-Unit User Operations

◆◆ Base Unit Selection

When “Auto” (Automatic Base Unit Selection) is selected, the cordless handset automatically searches for other registered base units if you move outside of the radio range of the current base unit.

When a specified base unit is selected, the cordless handset will access that base unit only.

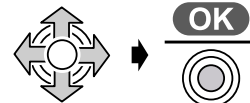
Calls (both incoming and outgoing) can be conducted only via the selected base unit, even if the radio cells overlap with neighbouring base units.

To exit the operation, press  at any time.

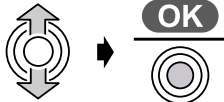
1 Press **JOYSTICK** (or move).



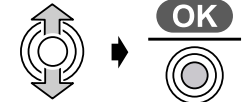
2 Select “ Setting Handset”.



3 Select “Select Base”.



4 Select “Auto” or the desired base unit.



- The factory preset is “Auto”.

Multi-Unit User Operations

◆◆ Intercom Between Registered Units

You can use your cordless handsets and base unit as a 2-way intercom.
Intercom calls can be conducted within the radio cell of the current base unit, but not with units in neighbouring radio cells.

To exit the operation, press  at any time.

◆ Example: Cordless Handset 1 calls Cordless Handset 2

	<Cordless Handset 1>	<Cordless Handset 2>
1	Press INTERCOM  , then press the desired cordless handset number  .	
2		Press TALK  .

- You can also answer a call by pressing ,  to , ,  or  instead of pressing  (**Any Key Talk**).

◆ Terminating a Call

	<Cordless Handset 1 or 2>
3	Press TALK OFF  .

◆ Example: Cordless Handset 1 calls Base Unit

	<Cordless Handset 1>	<Base Unit>
1	Press INTERCOM  , then press the base unit number  .	
2		Lift the handset.

- You can also answer a call by pressing  or .

◆ Terminating a Call

	<Cordless Handset 1>	<Base Unit>
3	Press TALK OFF  .	To hang up, place the handset on the cradle or press  .
	OR	

Multi-Unit User Operations

◆ Example: Base Unit calls Cordless Handset 1

	<Base Unit>	<Cordless Handset 1>
1	Press INTERCOM  .	
2	Select the desired cordless handset number  .	
3		Press TALK  .

- You can call all cordless handsets from the base unit at once if you press  on step 2 (**Selecting the Ringer Pattern for Paging:** see page 57), then the cordless handset user who answers first can talk to the base unit user.
- You can also answer a call by pressing ,  to , ,  or  instead of pressing  (**Any Key Talk**).

◆ Terminating a Call

	<Base Unit>		<Cordless Handset 1>
4	To hang up, place the handset on the cradle or press  .	OR	Press TALK OFF  .

Multi-Unit User Operations

◆◆ Transferring a Call to Another Registered Unit



The intercom can be used during a call to transfer an external call between registered units.

To exit the operation, press  at any time.

◆ Example: Cordless Handset 1 transfers a call to Cordless Handset 2

	<Cordless Handset 1>	<Cordless Handset 2>
	(During a call)	
1	Press INTERCOM  , then press the desired cordless handset number  .	
2		Press TALK  .
	(Conversation between Cordless Handset 1 and 2)	
3	Press TALK OFF  .	
		(Conversation between outside line and Cordless Handset 2)

- When you press  on the cordless handset during a call, an outside line will be held. To return to the conversation, press  again.
- During an outside line is put on hold, and if the transferred call is not answered, you can return to the conversation by pressing .
- You can also answer a call by pressing ,  to , ,  or  instead of pressing  (**Any Key Talk**).
- If you press  after selecting the desired cordless handset number, the call will be transferred immediately to the selected cordless handset.
If the transferred call is not answered within 60 seconds, the original cordless handset will ring again.
- When Cordless Handset 2 answers the transferred call, press  to establish a **conference call** or press  to complete a call transfer.

Multi-Unit User Operations

To exit the operation, press  at any time.

◆ **Example: Cordless Handset 1 transfers a call to Base Unit**

	<Cordless Handset 1>	<Base Unit>
	(During a call)	
1	Press INTERCOM  , then press the base unit number  .	
2		Lift the handset.
	(Conversation between Cordless Handset 1 and Base Unit)	
3	Press TALK OFF  .	
		(Conversation between outside line and Base Unit)

Telephone System

- When you press  on the cordless handset during a call, an outside line will be held. To return to the conversation, press  again.
- During an outside line is put on hold, and if the transferred call is not answered, you can return to the conversation by pressing .
- You can also answer a call by pressing  or .
- If you press  after selecting the base unit number, the call will be transferred immediately to the base unit.
If the transferred call is not answered within 60 seconds, Cordless Handset 1 will ring again.
- When Base Unit answers the transferred call, press  to establish a **conference call** or press  to complete a call transfer.

Multi-Unit User Operations

◆ **Example: Base Unit transfers a call to Cordless Handset 1**

	<Base Unit>	<Cordless Handset 1>
	(During a call)	
1	Press INTERCOM  , then press the desired cordless handset number  .	
2		Press TALK  .
	(Conversation between Base Unit and Cordless Handset 1)	
3	To hang up, place the handset on the cradle or press  .	
		(Conversation between outside line and Cordless Handset 1)

- When you press  on the base unit during a call, an outside line will be held. To return to the conversation, press  again.
- During an outside line is put on hold, and if the transferred call is not answered, you can return to the conversation by pressing  again.
- You can also answer a call by pressing ,  to , ,  or  instead of pressing  (**Any Key Talk**).
- If you hang up after selecting the desired cordless handset number, the call will be transferred immediately to the cordless handset.
If the transferred call is not answered within 60 seconds, Base Unit will ring again.
- When Cordless Handset 1 answers the transferred call, press  to establish a **conference call** or hang up to complete a call transfer.

The Walkie-Talkie feature allows cordless handsets to communicate with each other outside the range of the base unit. When the cordless handsets are in Walkie-Talkie mode, external calls cannot be received. Only KX-TCA151AZ and KX-TCA154AZ with Walkie-Talkie feature can communicate with one another.

Talk time in this mode is approximately 6 hours and standby time is approximately 15 hours maximum. (These times will change according to conditions.) When you have finished using the cordless handset in Walkie-Talkie mode, we recommend turning the cordless handset off. Turn it on only when Walkie-Talkie mode is required. Turning the cordless handset off immediately after use will improve battery operating time.

Range:

The maximum range between two cordless handsets while in Walkie-Talkie mode is up to 300 metres outdoors.

◆◆ Setting the Walkie-Talkie Mode

You can set the Walkie-Talkie mode. There are two types: Common Base Station mode and Group mode. The factory preset is Group mode.

- In Common Base Station mode, communication is possible between cordless handsets registered to a common base unit. If the cordless handsets are registered to more than one base unit, the same base unit must be selected.

Please note, the feature will not operate if AUTO is set in the base unit selection.

If Common Base Station mode is selected and the cordless handset is not registered to a base unit, an error tone sounds.

- In Group mode, communication is possible between cordless handsets that are both set to Walkie-Talkie mode and have the same Group ID.

This allows cordless handsets to communicate in Walkie-Talkie mode regardless of which base unit they are registered to.

Walkie-Talkie

To exit the operation, press  at any time.

- | | |
|---|---|
| 1 Press JOYSTICK (or move).
 | 2 Select “  Walkie-Talkie”.
 →  |
| 3 Select “Setting”.
 →  | 4 Select “Common” or “Group”.
 →  |

When “Group” is selected;

- | | |
|---|--|
| 5 Enter 3-digit Group Code.
(Factory Preset 000) | 6 Press JOYSTICK .

 |
| 7 Enter Cordless Handset Number.
(1-9: Factory Preset is 1) | 8 Press JOYSTICK twice.

 twice |

- If you select “Group”, enter Group Code (this can be 3 digits of your choice - the factory preset is 000). Make note of your code.
- The factory preset of Cordless Handset Number is 1.

IMPORTANT: Each cordless handset should have its own unique number.

◆◆ Turning the Walkie-Talkie Mode ON/OFF

To use the Walkie-Talkie feature, all cordless handsets in conversation must be in Walkie-Talkie mode.

To exit the operation, press  at any time.

◆ Turning the Walkie-Talkie Mode ON

1 Press JOYSTICK (or move). 	2 Select "  Walkie-Talkie".  → 	3 Select "On".  → 
---	--	--

- When the Walkie-Talkie mode is ON, the cordless handset number is displayed after "Walkie-Talkie" appears on the display.

◆ Turning the Walkie-Talkie Mode OFF

1 Press JOYSTICK . 	2 Select "Off".  → 
--	---

- This feature is also turned off if you turn power off then on.

◆◆ Talking in Walkie-Talkie Mode

Before proceeding with this function, please ensure Walkie-Talkie mode is turned on, and the appropriate Walkie-Talkie mode has been selected.

For example, Cordless Handset 1 is calling Cordless Handset 2.

To exit the operation, press  at any time.

	<Cordless Handset 1>	<Cordless Handset 2>
1	Press INTERCOM  ,  or  , then press the desired cordless handset number  .	
2		Press TALK  .

- You can also answer a call by pressing ,  to , ,  or  instead of pressing  (**Any Key Talk**).

Answering System

Voice Date/Time Stamp-The date and time that the incoming/memo message was recorded will be announced after playback of the message. To set the Voice Date/Time stamp, set the date and time (p. 20).

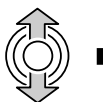
Flash Memory Message Backup-The total recording capacity is approximately 30 minutes or 64 messages. The greeting recording time is limited to 2 minutes and 30 seconds. We recommend you to record a brief greeting message in order to leave more time for recording new incoming/memo messages. All messages (greeting, incoming and memo) are stored indefinitely on a “Flash memory” IC chip, even if a power failure occurs, all of the messages are saved until you erase them.

◆◆ Answering System ON/OFF

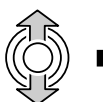
When you set the answering system ON, a caller can leave his/her messages.



◆ Setting ON

1 Press JOYSTICK (or move). 	2 Select “  TAM Operation”.  → 	3 Select “Answer On”, then  is displayed.  → 
--	--	---

◆ Setting OFF

1 Press JOYSTICK (or move). 	2 Select “  TAM Operation”.  → 	3 Select “Answer Off”, then  disappears.  → 
--	--	---



◆ Setting ON

Press ANSWER ON . 	➡ Indicator lights on.
---	------------------------

◆ Setting OFF

Press ANSWER ON again. 	➡ Indicator lights off.
--	-------------------------

◆◆ Greeting Message

◆ Playing Back Pre-Recorded/Your Own Greeting Message

If you do not record your own greeting message, one of two pre-recorded greeting messages will be played. A pre-recorded greeting message depends on the selecting of same phone caller's recording time.

When the recording time is set to "1 Minute" or "No Limit" (30 minutes).

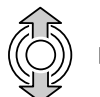
- "Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call."

When the recording time is set to "Greeting Only".

- "Hello, we are not available now. Please call again. Thank you for your call."



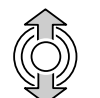
◆ Recording Your Own Greeting Message

1 Press JOYSTICK (or move). 	2 Select "TAM Operation".  → 	3 Select "Record".  → 
4 Select "Record OGM".  → 	5 Record Greeting Message. 20 cm away from the Mic.	6 Press JOYSTICK to finish recording, then the recorded message is played back.  → 



◆ Selecting the Caller's Recording Time

Follow steps **1** and **2** shown above, then:

3 Select "Setting TAM".  → 	4 Select "Msg Rec Time".  → 	5 Select "1 Minute" or "No Limit" (up to 30 minutes) or "Greeting Only" (no incoming message will be recorded).  → 
---	--	---

- The factory preset is "No Limit".

Answering System



◆ Recording Your Own Greeting Message

1 Press and hold GREETING.	2 Record Greeting Message. 20 cm away from the Mic (p. 8).	3 Press GREETING to finish recording.
---	---	--

- The recorded your own greeting message will be played after step 3.
- You can also finish recording by pressing



◆ Playing Back a Greeting Message

1 Press JOYSTICK (or move).	2 Select “ TAM Operation”. →	3 Select “Play OGM”. →
--	---	---



◆ Playing Back a Greeting Message

Press GREETING.	➡ A greeting message is played back.
---	---

- You can delete your own greeting message by pressing during playing your own greeting message.



◆ Deleting Your Own Greeting Message

1 Press JOYSTICK (or move). 	2 Select "TAM Operation". 	3 Select "Delete Message".
4 Select "Delete OGM". 	5 Select "Yes", then "Deleted" is displayed. 	

- You can also delete your own greeting message by pressing , then select "Yes" during playing your own greeting message.

◆◆ Selecting the Number of Rings

You can select the number of times the unit rings before the answering system answers a call, from 2 to 7 or Auto (for **Toll Saver**; as shown below).

◆ Toll Saver (When set to "Auto")

When you call the unit from a touch tone telephone:

If the unit answers on the 2nd ring, there is at least one new message.

If the unit answers on the 5th ring, there are no new messages.

Hang up when you hear the 4th ring. This will save you the toll charge for the call.

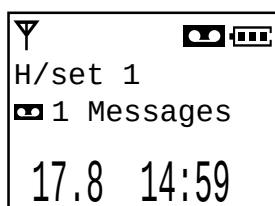
1 Press JOYSTICK (or move). 	2 Select "TAM Operation". 	3 Select "Setting TAM".
4 Select "Number of Rings". 	5 Select "Auto" or "2 Rings" to "7 Rings" to select the number of rings. 	

- The factory preset is "4 Rings".

Answering System

◆◆ Incoming/Memo Messages

Incoming messages and memo messages are stored in chronological order. New messages cannot be recorded when “Full” is displayed and  indicator on the base unit flashes rapidly. We recommend that you erase unnecessary messages after each playback to leave more time for new recordings.



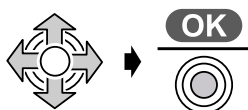
If new messages have been recorded, the  icon and the number of new messages will be displayed.

◆ Playing New Incoming/Memo Message(s)

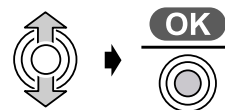
1 Press **JOYSTICK** (or move).



2 Select “ TAM Operation”.



3 Select “Play New Msg.”.

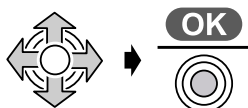


◆ Playing All Incoming/Memo Messages

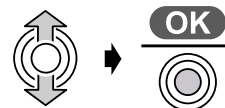
1 Press **JOYSTICK** (or move).



2 Select “ TAM Operation”.



3 Select “Play All Msg.”.



◆ Repeating a Message During Playback

(During message playback) ➡

Move the **JOYSTICK** left.



- If you press within 5 seconds from the start of playback, the previous message will be played. If you press after 5 seconds from the start of playback, the current message will be played.

◆ Skipping a Message During Playback

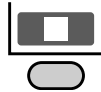
(During message playback) ➡

Move the **JOYSTICK** right.



◆ Stopping a Message During Playback

(During message playback) → Press **LEFT SOFT KEY**.



◆ Selecting the Receiver Volume During Playback

(During message playback) → Move the **JOYSTICK** up or down.



◆ Deleting One Incoming/Memo Message

(During message playback) →

- 1 Press **JOYSTICK**.

- 2 Select "Delete".
 → 
- 3 Select "Yes", then "Deleted" is displayed.
 → 

- You can also delete the message by pressing  then selecting "Yes" during message playback (p. 92).

◆ Deleting All Incoming/Memo Messages

- 1 Press **JOYSTICK**.

- 2 Select "TAM Operation".
 → 
- 3 Select "Delete Message".
 → 
- 4 Select "Delete All".
 → 
- 5 Select "Yes", then "Deleted" is displayed.
 → 

◆ Calling Back to the Caller

(During message playback) →

- 1 Press **JOYSTICK**.

- 2 Select "Call Back".
 → 

Answering System

◆ Editing a Number for Call

(During message playback) →

1 Press **JOYSTICK**. 

2 Select "Edit for Call".  → 

3 Edit Phone Number. (max. 24 digits)

4 Press **JOYSTICK**, **TALK** or **SPEAKERPHONE**.  OR  OR 



 1 Messages

17.8 14:59

→ If new messages have been recorded, the  icon and the number of new messages will be displayed and  indicator on the base unit flashes.

◆ Playing New Incoming/Memo Message(s)

Press **PLAYBACK**. 

→ New message(s) will be played if recorded.

- If there are no new incoming/memo messages, all recorded incoming/memo messages will be played if recorded.
- If there are no recorded incoming/memo messages, "No message" will be announced.

◆ Repeating a Message During Playback

(During message playback) →

Press **LEFT SOFT KEY**. 

OR Press **NAVIGATOR KEY** left. 

- If you press within 5 seconds from the start of playback, the previous message will be played. If you press after 5 seconds from the start of playback, the current message will be played.

◆ Skipping a Message During Playback

(During message playback) → Press **RIGHT SOFT KEY**. OR Press **NAVIGATOR KEY** right.

◆ Stopping a Message During Playback

(During message playback) → Press **STOP**. To return to the message playback, press **PLAYBACK**. OR To finish the message playback, press **STOP** again.

◆ Selecting the Receiver Volume During Playback

(During message playback) → To increase volume, press **NAVIGATOR KEY** up. To decrease volume, press **NAVIGATOR KEY** down.



◆ Deleting One Incoming/Memo Message

(During message playback) → Press **ERASE**.



◆ Deleting All Incoming/Memo Messages

All recorded message, except the greeting message, can be erased at one time.

1 Press **ERASE**. **2** Within 5 seconds after the guidance, press **ERASE**.

Answering System

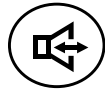
◆ Editing a Number for Call

(During message playback) →

1 Press **MIDDLE SOFT KEY**.


2 Select "Edit for Call".
 → 

3 Edit Phone Number.
(max. 24 digits)

4 Lift the handset or press **SPEAKERPHONE**.


◆ Calling Back to the Caller

(During message playback) →

1 Press **MIDDLE SOFT KEY**.


2 Select "Call Back".
 → 

◆◆ Monitor Function ON/OFF

If Monitor Function is OFF, you can listen to only the caller's message which is being recorded through the handset.

1 Press **JOYSTICK** (or move).


2 Select "TAM Operation".
 → 

3 Select "Setting TAM".
 → 

4 Select "Greet Monitor".
 → 

5 Select "On" or "Off".
 → 

- The factory preset is "On".

◆◆ Answering System Direct Command

You can operate the answering system by pressing dialling buttons as direct command.

1 Press JOYSTICK (or move). 	2 Select "  TAM Operation".  → 	3 Select "Play New Msg." or "Play All Msg.".  → 
---	---	--

Follow steps **1** to **3** shown above, then:

Press 	To repeat a message.
Press 	To skip a message.
Press 	To stop a message playback.
Press  	To delete one incoming/memo message.*1
Press  	To delete all incoming/memo messages.

Follow steps **1** and **2** shown above, then:

Press 	To enter the answering system setting menu.
Press 	To playback new incoming/memo message(s).
Press 	To playback all incoming/memo messages.
Press 	To playback a greeting message.
Press  	To record a memo message.
Press  	To record your own greeting message.
Press 	To set the answering system ON.
Press 	To stop playing back or recording message.
Press 	To set the answering system OFF.
Press  	To delete your own recorded greeting message.

*1 This function is available only during incoming/memo message playback.

Answering System

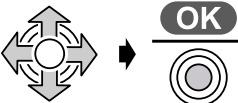
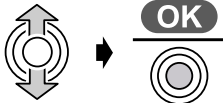
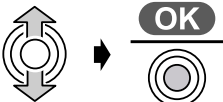
◆◆ Remote Operation from a Touch Tone Phone

You can operate the answering system from any touch tone phone.

Firstly you must store your remote code using the handset near the base unit.

The 3-digit remote code prevents unauthorized use of your answering system for listening to recorded messages.

◆ Setting the Remote Code ON

1 Press JOYSTICK (or move). 	2 Select "TAM Operation". 	3 Select "Setting TAM". 
4 Select "Remote Code". 	5 Enter 3-digit Remote Code.	6 Press JOYSTICK . 

◆ Setting the Remote Code OFF

Follow steps 1 to 4 shown above, then:

5 Press }.  	6 Press JOYSTICK . 
--	---

- The factory preset is Remote Code OFF.

◆ Turning ON the Answering System Remotely

You can turn on the answering system from any touch tone phone.

1 Call from a touch tone phone then wait for 15 rings.	2 Enter remote code within 10 seconds after a long beep.
3 Re-enter remote code after the greeting message playback.	4 Voice menu starts after 3 seconds. ◆ Follow the guidance (p. 100).
OR Enter your desired direct remote command (see next page).	

- If your remote code is not stored, you cannot turn on the answering system remotely.

Answering System

◆ Summary of Remote Operation

You can operate the answering system from any touch tone phone.

1 Call from a touch tone phone.	2 Greeting message playback.	3 Enter remote code.
4 The number of new message is played.	5 Voice menu starts after 3 seconds. ◆ Follow the guidance (see next page).	
OR		
Enter your desired direct remote command (see below).		

- To skip the greeting message, press **[*]** during the greeting on step 2.

◆ Direct Remote Commands

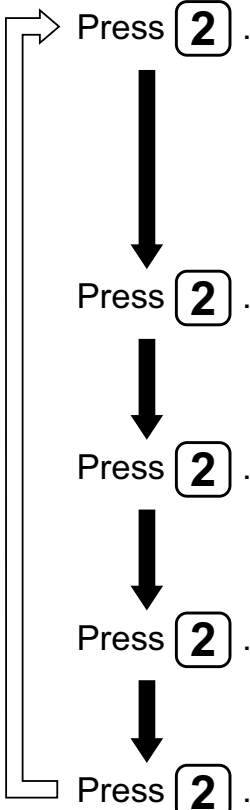
After entering the remote code, you can choose to operate your answering system using direct commands as shown below, in place of listening to the voice menu. Hang up to end the remote operation at any time.

Command	Function
[1]	Repeat message (during playback)
[2]	Skip message (during playback)
[4]	New message playback
[5]	All message playback
[6]	Check greeting message
[7] ◆ Record	Greeting message recording
[9]	Stop operating
[0]	Answering system off
[*] ◆ [4]	Deleting specific message (during playback)
[*] ◆ [5]	Deleting all messages
[*] ◆ [6]	Deleting greeting message (during playback)
[*] ◆ [□]	Disconnect

Answering System

◆ Voice Menu

The words in “ ” means a voice guidance.

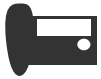
	Press 1 . 	
	“Press 1 to playback all messages. Press 2 for other functions.”	“All message playback.” At the end of the last message, “End of final message” is announced. When the remaining recording time becomes less than 5 minutes, the remaining recording time is announced.
	“Press 1 to playback new messages. Press 2 for other functions.”	“New message playback.”
	“Press 1 to record your message. Press 2 for other functions.”	“Please leave your message.” Talk after you hear this message.  Hang up to finish recording.
	“Press 1 to erase all messages. Press 2 for other functions.”	“No message.”
	“Press 1 to record your greeting. Press 2 for other functions.”	“Press 7 to record your greeting. Press 9 to end recording.” Press 7 to start recording.  Talk after the long beep.  Press 9 to finish recording.

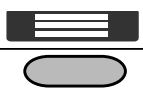
- After playback, the voice menu will start again from the beginning.
- If you hear “Memory full” after playback, erase some or all of the messages (p. 93, 95).

◆◆ Recording a Memo Message



1 Press JOYSTICK (or move). 	2 Select “  TAM Operation”.  → 	3 Select “Record”.  → 
4 Select “Record Memo”.  → 	5 Record Memo Message. 20 cm away from the Mic.	6 Press JOYSTICK . 



1 Press MIDDLE SOFT KEY . 	2 Select “Record Memo”.  → 	3 Record Memo Message. 20 cm away from the Mic (p. 8).
4 Press STOP . 		

◆◆ Recording Your Telephone Conversation

When you record your 2-way telephone conversation, you should inform the other party that the conversation is being recorded.

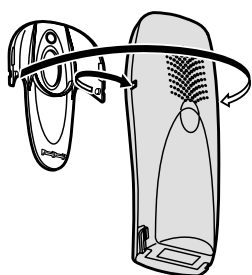
During recording, a beep will sound approximately every 15 seconds.

This feature is available only for cordless handset.

(During a call) →	1 Press JOYSTICK twice to start recording, then “Recording” is displayed.  → 	2 Press JOYSTICK to stop recording. 
-------------------	--	--

- All persons using this device for recording telephone conversations shall comply with New Zealand law. This requires that at least one party to the conversation is to be aware that it is being recorded. In addition, the principles enumerated in the Privacy Act 1993 shall be complied with in respect to the nature of the personal information collected, the purpose for its collection, how it is used and what is disclosed to any other party.

Using the Belt Clip



To remove the belt clip.



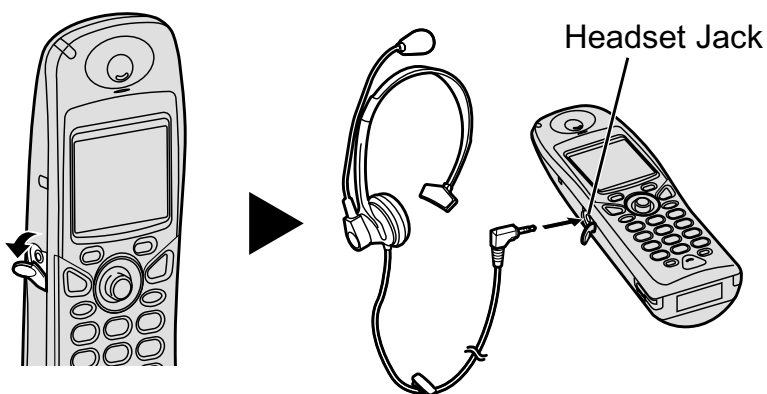
You can hang the cordless handset on your belt or pocket using the belt clip.

Optional Headset

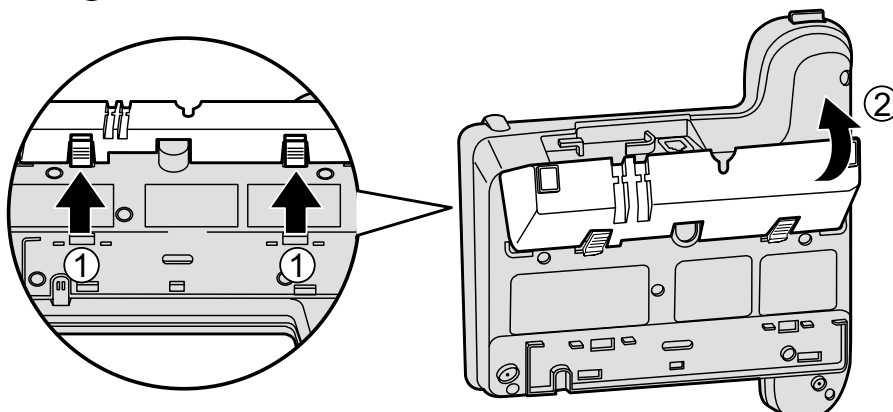
Plugging an optional headset into the cordless handset allows hands-free phone conversations. While using the headset, speakerphone is not available. To switch to speakerphone, disconnect the headset.

◆ Connecting the Optional Headset to the Cordless Handset

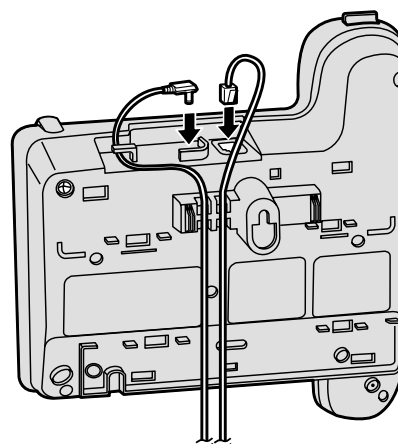
Open the headset jack cover, and connect the optional headset to the headset jack as shown.



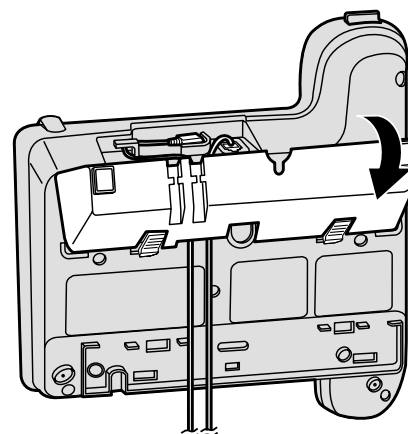
- 1** Press the tabs in the direction of the arrows (①), then remove the wall mounting adaptor (②).



- 2** Connect the AC adaptor and the telephone line cord.

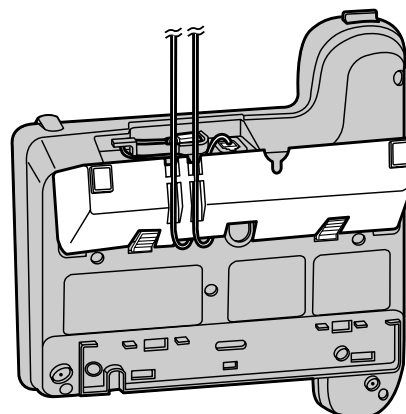


- 3** Put the wall mounting adaptor back.
 - The word “UP DESK” should be upward.

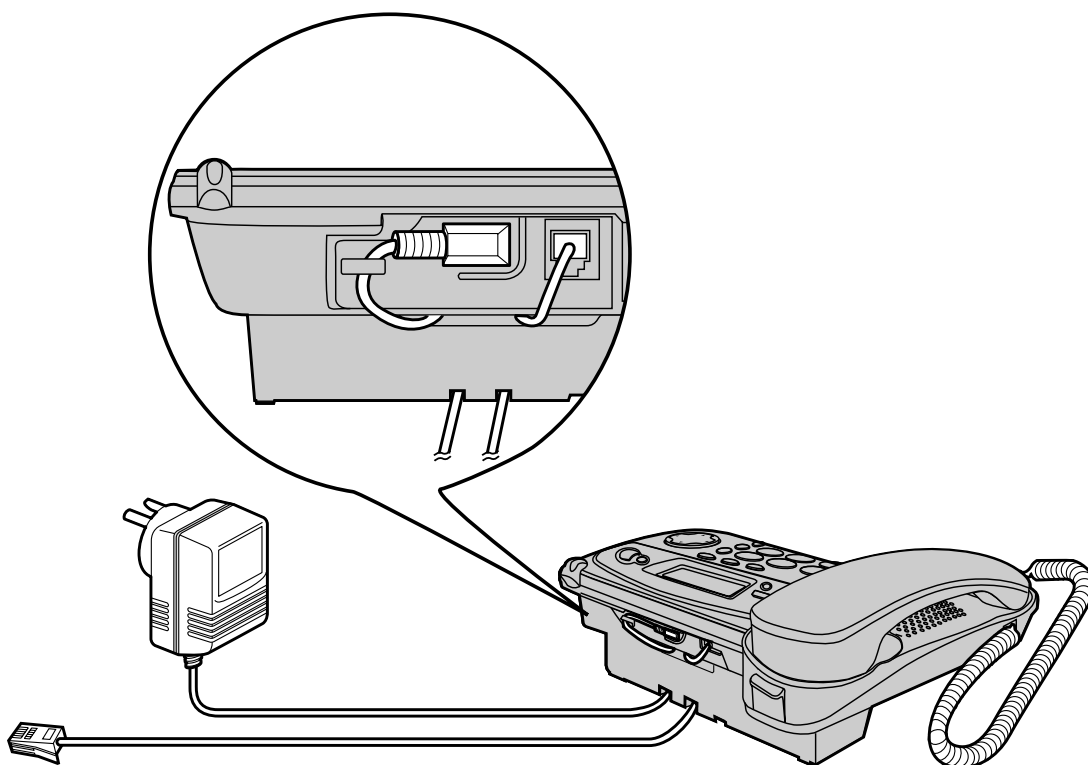


Desktop Use

- 4** Fasten the AC adaptor and the telephone line cord on the wall mounting adaptor.



- 5** Place the base unit on the desk.

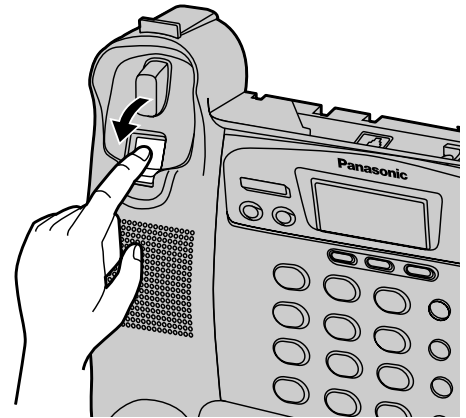


Wall Mounting

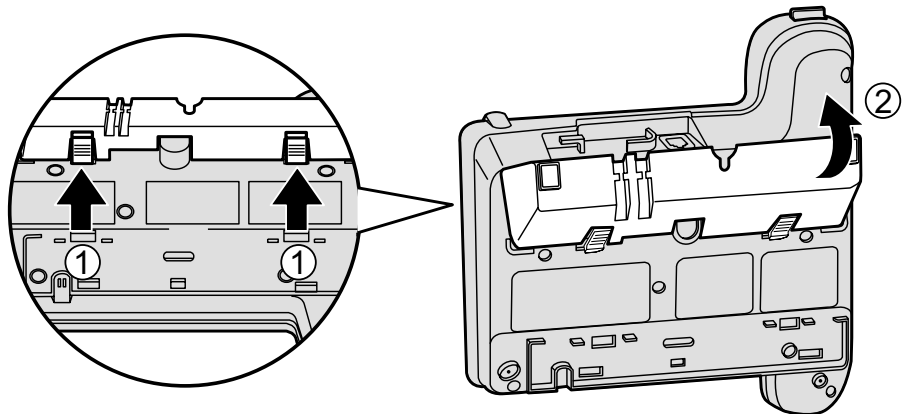
Base Unit

This base unit can be mounted on the wall.

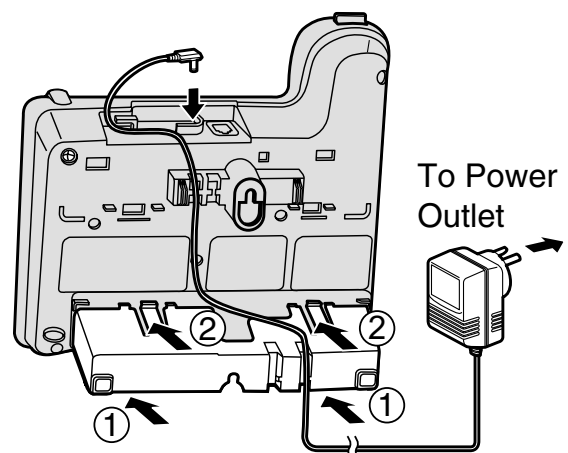
- 1** Pull down the handset hook until it locks, so the tab holds the handset.



- 2** Press the tabs in the direction of the arrows (①), then remove the wall mounting adaptor (②).

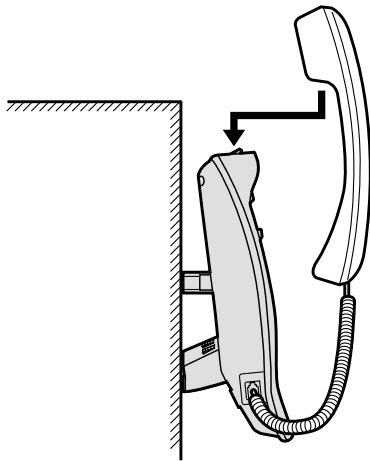
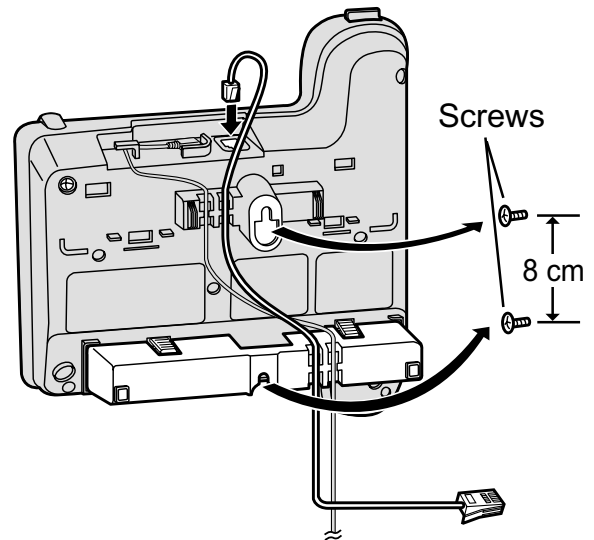


- 3** Connect the AC adaptor, then push the wall mounting adaptor in the direction of the arrows (①) and (②).
 - The word "UP WALL" should face upward.



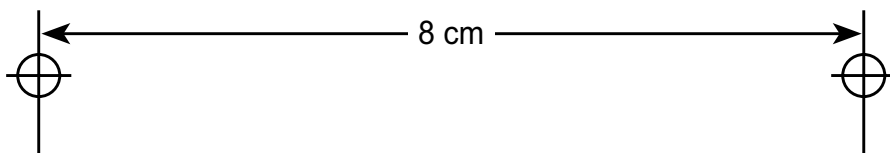
Wall Mounting

- 4** Connect the telephone line cord.
Install screws using the wall template,
then mount the base unit.



To temporarily set the handset down during a conversation, place it as shown here.

Wall Template



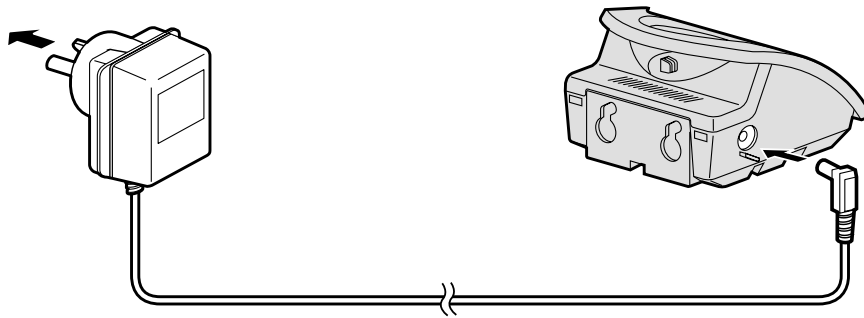
Wall Mounting

Charger unit

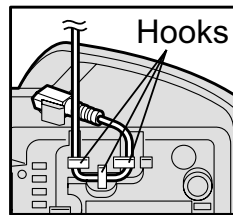
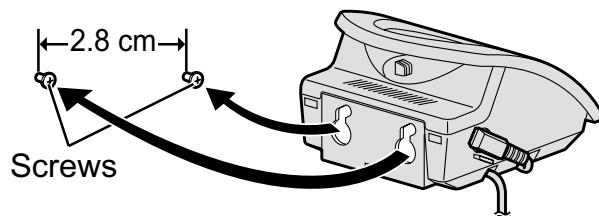
The charger can be mounted on the wall.

1 Connect the AC adaptor.

To Power Outlet

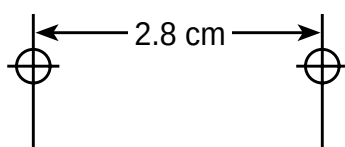


2 Install screws using the wall template, then mount the charger.



Fasten the AC adaptor cord to prevent it from being disconnected.

Wall Template



Before Requesting Help

If you experience any problems with the normal use of your apparatus, you should unplug it from the telephone outlet and connect a known working telephone in its place. If the known working telephone still has problems, then please contact the customer service department of your telephone company.

If it operates correctly, then the problem is likely to be a fault in your apparatus.

In this case, contact your supplier for advice. Your telephone company may charge you if they attend a service call that is not due to an apparatus supplied by them.

Turn the power OFF then ON (Cordless Handset)/Disconnect then connect the AC adaptor (Base Unit).

Problem	Possible cause	Solution	Page
The unit does not work.	- Batteries not installed properly. - AC adaptor of base unit not connected properly.	- Re-install batteries properly. - Disconnect and then connect AC adaptor.	p. 15
Display is blank.	Cordless handset not turned on.	Turn on power.	p. 18
Cordless handset will not turn on.	- Batteries not inserted. - Batteries not charged.	- Insert the 2 rechargeable batteries supplied. - Place cordless handset on charger and connect AC adaptor to charger and AC outlet (full charge period 7 hrs).	p. 15
Battery charge icon not counting up.	- Dirty charge contacts. - Charger not powered up.	- Clean charge/battery contacts and retry charge. - Connect AC adaptor to charger and AC outlet.	p. 16 p. 15
📶 icon flashes.	- Cordless handset not registered to base unit. - Cordless handset out of range of base unit. - No power into base unit.	- Register cordless handset to base unit. - Move cordless handset closer to base unit. - Connect AC adaptor to base unit and AC outlet.	p. 77 p. 15
Cordless handset busy tone heard when  is pressed.	- Cordless handset out of range of base unit. - Another unit in use.	- Move cordless handset closer to base unit. - Wait for the other user to complete call.	
No dial tone.	Telephone line not connected.	- Insert telephone line cord to network. - Turn power OFF then ON.	p. 15 p. 18

Before Requesting Help

Problem	Possible cause	Solution	Page
Cannot dial out.	• Call Bar mode ON. • Particular dialled number is restricted. • Key lock mode ON.	• Turn feature off. • Remove number from call restricted list. • Turn key lock OFF.	p. 60 p. 75 p. 67 p. 25
Cordless handset will not ring.	• Ringer switched off.	• Set ringer to one of 6 volume levels.	p. 57
Last number redial does not work.	• Number exceeded 24 digits.	• Redial manually.	p. 26 p. 27
Audible Caller sounds late.	• Recording time is long.	• Shorten recording time.	p. 45
No Caller ID number displayed.	• Service not supplied. • Caller has withheld info.	• Caller ID service must be arranged with your telephone company.	p. 30
 icon flashes.	• Battery low.	• Recharge batteries.	p. 16
Cannot register cordless handset to base unit.	• Max. number of base units already registered to cordless handset. • Max. number of cordless handsets already registered to base unit. • Wrong PIN number entered (Default 0000). • Electrical noise in local area.	• Delete unused base unit registrations from cordless handset. • Delete unused cordless handset registrations from base unit. • If PIN number is lost, contact the Panasonic Service Centre. • Move base unit/cordless handset away from sources of electrical noise (e.g., TVs, radios, etc.).	p. 78 p. 78 p. 68 p. 6
The display is blank even if the unit is charged.	• Battery low.	• Recharge batteries more than about 15 minutes.	p. 16
Date and time disappeared.	• Power failure.	• Set the date and time.	p. 20
Clock is slow (fast).	• Power failure.	• Readjust date/time from cordless handset 1.	p. 20

Before Requesting Help

Problem	Possible cause	Solution	Page
A beep sounds when  or  on the base unit is pressed.	• Another unit in use.	• Wait for the other user to complete the operation.	
A beep sounds when entering caller list or base unit phonebook with cordless handset.	• Another unit in use.	• Wait for the other user to complete the operation.	
The unit picks up the wrong voice tag.	• Similar voice tag exists.	• Record different voice tag.	p. 48

Answering System

Problem	Possible cause	Solution	Page
The answering system is on, but incoming messages are not recorded.	• The recording time is set to "Greeting Only". • Memory is full (30 minutes or 64 messages).	• Select "1 Minute" or "No Limit" (see "Answering System"). • Erase some or all of the messages.	p. 89 p. 93 p. 95
Cannot operate the answering system from a touch tone phone.	• Incorrect remote code entered. • Tone are too short to activate the unit. • The answering system is off.	• Enter the correct remote code. • Press each button firmly. • Turn on the answering system.	p. 99 p. 88 p. 98
Cannot operate the answering system with the unit.	• Someone is operating the answering system.	• Retry when other user has finished operation.	
While recording a greeting message, the unit starts to ring and stops recording.	• A call is being received.	• Answer the call. Retry recording after conversation is finished.	
During playback, the unit starts to ring and stops playback.	• A call is being received.	• Answer the call. Retry playback after conversation is finished.	

◆ Phonebook Character Table

Buttons	Alphabet (ABC)	Numeric (0-9)	Greek(ΑΒΓ)	Extended 1 (AÄÅ)	Extended 2 (SŠŠ)	Russian (АБВ)
①	Space # & ' () * , - . / 1	1	Space # & ' () * , - . / 1			
②ABC	ABC 2	2	Α Β Γ 2	AÀ Á Â Ã Ä Å Æ Β Γ Ç 2	A Á Â Ã Β Ç Ć 2	А Б В Г 2
	a b c 2			a à á â ã ä å æ b c ç 2	a á â ã b c ĉ č 2	
③DEF	DEF 3	3	Δ Ε Ζ 3	DE È É Ê Ë Ì Í Î 3	D Ď Ě Ė Ę Ě F 3	Д Е Ж 3 3
	d e f 3			de è é ê ë ì í î ï 3	d ě e ě ę ě f 3	
④GHI	GHI 4	4	Η Θ Ι 4	G Ğ Ħ Ì Í Î Ï Ĵ 4	G Ħ Í 4	И Й К Л 4
	g h i 4			g ģ ħ ï ï ĵ ĳ 4	g ħ i í 4	
⑤JKL	JKL 5	5	Κ Λ Μ 5	J K L 5	J K L Ł Ł 5	М Н О П 5
	j k l 5			j k l 5	j k l Ł Ł 5	
⑥MNO	MNO 6	6	Ν Ξ Ο 6	M Ñ Ñ Ñ Ñ Ñ Ñ Ñ Ñ 6	M Ñ Ñ Ñ Ñ Ñ Ñ Ñ 6	Р С Т У 6
	m n o 6			m ñ ñ ñ ñ ñ ñ ñ 6	m ñ ñ ñ ñ ñ ñ ñ 6	
⑦PQRS	PQRS 7	7	Π Ρ Σ 7	P Q R S Š 7	P Q R Ř Ŕ Š Š 7	Ф Х Ц Ч 7
	p q r s 7			p q r s š 7	p q r ř ŕ š š 7	
⑧TUV	TUV 8	8	Τ Υ Φ 8	T U Ú Ú Ú Ú Ú V 8	T Ě U Ú Ú Ú Ú V 8	Ш Щ Ъ Ы 8
	t u v 8			t u ú ú ú ú ú v 8	t ě u ú ú ú ú v 8	
⑨WXYZ	WXYZ 9	9	Χ Ψ Ω Ξ 9	W Ŵ X Y Ŷ Z 9	W X Y Ŷ Ŷ Z Z Z 9	Ь Э Ю Я 9
	w x y z 9			w ŵ x y ŷ z 9	w x y ŷ z z z 9	
⑩	Space 0	0	Space 0			

- The following small (or capital) letters of Greek, Russian (Cyrillic), Polish, Czech and Slovakian are not available. Then same letter as capital (or small) will be displayed. a ć č ę ł ĩ ŕ ħ Ń Ø ř š ś Ű ŵ Ŷ ŷ ž ź ž
- Press  to change letter size; Capital > Small, Small > Capital.

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Specifications

Standard:	DECT=(<u>D</u> igital <u>E</u> nhanced <u>C</u> ordless <u>T</u> elecommunications) GAP=(<u>G</u> eneric <u>A</u> ccess <u>P</u> rofile)
Number of channels:	120 Duplex Channels
Frequency range:	1.88 GHz to 1.9 GHz
Duplex procedure:	TDMA (Time Division Multiple Access)
Channel spacing:	1728 kHz
Bit rate:	1152 kbit/s
Modulation:	GFSK
RF Transmission power:	Approx. 250 mW
Voice coding:	ADPCM 32 kbit/s
Power source:	(For Base Unit) AC Adaptor 220 - 240 V, 50 Hz (For Charger Unit) AC Adaptor 220 - 240 V, 50 Hz
Power consumption:	(For Base Unit) Standby: Approx. 2.6 W Maximum: Approx. 9.2 W (For Charger Unit) Standby: Approx. 2.3 W Maximum: Approx. 6.8 W
Operating conditions:	5 - 40 °C, 20 - 80 % relative air humidity (dry)
Dimensions, Base Unit:	About (53 mm x 205 mm x 197 mm) x 670 g
Dimensions, Cordless Handset:	About (143 mm x 48 mm x 32 mm) x 125 g
Dimensions, Charger:	About (60 mm x 86 mm x 84 mm) x 113 g

- Specifications are subject to change.
- The illustrations used in this manual may differ slightly from the original device.

Connections:

The unit will not work during a power failure. We recommend you connect a standard telephone on the same line for power protection.

For your future reference

Serial No.

Date of purchase

(found on the bottom of the unit)

Name and address of dealer

Technical specifications are subject to change.

Sales Department:

Panasonic New Zealand Ltd.
350 Te Irirangi Drive
East Tamaki
Private Bag 14911
Panmure AUCKLAND
NEW ZEALAND

Panasonic Communications Co., Ltd.

1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan